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THE GRADUATE SCHOOL

2016

DOCTORAL HOODING CEREMONY

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Saturday, May Seventh • Two Thousand Sixteen

THE GRADUATE SCHOOL

2016

DOCTORAL HOODING CEREMONY

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Saturday, May Seventh • Two Thousand Sixteen

WILSON
NcU

MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel hooding ceremony. Each of you has accomplished so much in your years at Carolina, and nothing could be finer than to celebrate your commencement today.

We also welcome your family and friends – who have supported you and believed in you throughout your time here. On behalf of Carolina faculty and staff, thank you for the support and encouragement you gave these students.

Earning a doctoral degree is a wonderful achievement, and marks a major milestone in your life. You will join many other distinguished alumni who are innovators in their fields and leaders in their communities. As you leave here, take what you have learned and make a difference in this fast-paced world. Contribute to innovations that change people's lives in a positive way.

Doctoral students, thank you for the extraordinary contributions you have made to the University community during your time here. You have contributed to our mission of teaching and service, in addition to your own studies, which have helped create new knowledge. You depart with the personal and professional connections that will be a lasting part of your life and career. Carolina has been your home for a few years, and you will always be part of the Carolina family.

Please keep in touch and visit Chapel Hill. We will be here, eager to help and applaud your success. Congratulations!

Carol L. Folt

CAROL L. FOLT

MESSAGE *from the* GRADUATE DEAN

Congratulations, doctoral graduates! You made it and your efforts have paid off. Today, our university's graduate education community and your family and friends join in celebrating your truly remarkable achievement.

What you have accomplished in your years at Carolina will resonate for your entire lifetime. And it resonates within your university: Through the diligent pursuit of your research, you have advanced important new knowledge in your academic fields that benefits North Carolina and places far beyond.

In the process, you've also discovered new knowledge about your talents, your determination and your own personal capabilities that you likely could not have imagined when you began this journey.

Now, as doctoral alumni, you bring your innovative ideas to a world that truly needs them. I join the faculty members who have mentored you and collaborated with you in wishing you the very best of success as you go forward from this day.

Steven W. Matson

STEVEN W. MATSON

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ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

Hark the Sound

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

For Your Information

The Doctoral Hooding Ceremony will be captioned on video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of May degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Doctoral degree graduates may receive their diplomas in a special departmental or school ceremony. Or they may pick up their diploma from the Office of the Registrar in the Student and Academic Services Building North from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Office of the Registrar through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

** Captioning by Caption Perfect and MarchingOrders.*

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

The DOCTORAL HOODING PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, Director
Academic Procession	The Faculty Marshal—Terry Rhodes, *Professor and Senior Associate Dean for Fine Arts and Humanities* The Official Platform Party The Deans The Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health GRADUATE MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
National Anthem	Drew Meyer, *Bachelor of Music*
Remarks	For the Board of Trustees of The University of North Carolina at Chapel Hill Dwight D. Stone, *Chair*
Introduction of the Commencement Speaker	G. Dylan Russell, *President, Graduate and Professional Student Federation*
Commencement Address	Samantha Joye, *Georgia Athletic Association Professor in Arts and Sciences, Department of Marine Sciences, University of Georgia*
Conferring of Doctoral Degrees	Carol L. Folt, *Chancellor* James W. Dean Jr., *Executive Vice Chancellor and Provost* Marsha Collins, *Caroline H. and Thomas S. Royster Distinguished Professor for Graduate Education, English and Comparative Literature* Steven W. Matson, *Dean of The Graduate School*
Presentation of the Faculty Award for Excellence in Doctoral Mentoring	Steven W. Matson, *Dean of The Graduate School*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Recessional	*Hark the Sound* Drew Meyer

CAROL L. FOLT

Chancellor

When Carol L. Folt was installed as Carolina's 11th chancellor and first woman leader in October 2013, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt – an internationally recognized scientist, award-winning teacher and accomplished administrator – has worked to fulfill that charge by championing Carolina as a great global public research university. Her priorities have included preserving and expanding the University's academic excellence, access and affordability, and deep commitment to North Carolina.

Under Folt's leadership, the University received nearly 36,000 applications for the Class of 2020, breaking the previous record for the 11th consecutive year. Carolina ranks among the nation's top 10 universities in research dollar volume, and has become increasingly focused on innovation and entrepreneurship.

One of Folt's top priorities is improving undergraduate retention rates – particularly for low-income, first-generation and underrepresented students – while maintaining Carolina's historic commitment to affordability and accessibility. Declaring that "Carolina can indeed be the leader in shaping the path for the great public university in America," Folt leads the University in the national dialogue about higher education, has taken a strong position on protecting students from sexual assault, and initiated conversations about difficult topics.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013 and a faculty member. An Akron, Ohio, native, Folt holds a bachelor's degree in aquatic biology and a master's degree in biology from the University of California at Santa Barbara. She received her doctorate in ecology from the University of California at Davis. Folt is married to David Peart, a professor of biological sciences at Dartmouth, and they have two adult children, Tessa and Noah.

Accomplishments

- Created the position of vice chancellor for commercialization and economic development to translate more world-class ideas into real-world applications.
- Updated the policy on sexual violence through extensive cross-campus collaboration and represented Carolina on unprecedented panels on sexual assault at the White House, the University of Virginia and UC Berkeley.
- Launched a first-of-its-kind public-private partnership with GSK, creating a research center on campus and a jointly owned company, Qura Therapeutics, dedicated to discovering a cure for HIV/AIDS.
- Surpassed all previous fundraising records garnering nearly $447 million in commitments – an achievement that includes the $100 million commitment from pharmaceutical entrepreneur Fred Eshelman to the pharmacy school for the new Eshelman Institute for Innovation.
- Championed a new joint biomedical engineering bachelor of science degree with N.C. State University for a department considered an exemplar of de-siloing in U.S. higher education.
- Invested in a $3 million, 10-year, no-interest loan to help stabilize the Northside neighborhood in Chapel Hill.

Follow @ChancellorFolt on Twitter

STEVEN W. MATSON

The Dean of The Graduate School

Steven W. Matson has served as dean of The Graduate School since 2008. He joined the UNC–Chapel Hill faculty in 1983.

Matson also is a professor in the Department of Biology in the College of Arts and Sciences, where he served as chair from 2002 to 2008. He is a biochemist by training. His research focuses on DNA repair, conjugative DNA transfer and the enzymatic mechanisms and biological roles of DNA helicases.

He is a recipient of the American Cancer Society Faculty Research Award and has served as a reviewer for the National Institutes of Health, the National Science Foundation and the American Cancer Society, in addition to a wide range of journals including the Journal of Molecular Biology, Biochemistry, Proceedings of the National Academy of Sciences and the Journal of Biological Chemistry, where he was an editorial board member from 2000 to 2005.

At Carolina, Matson has taught a variety of courses, including Current Topics in Biology, Advanced Molecular Biology, Advanced Cell Biology and honors sections of Genetics and Molecular Biology. A past recipient of the University's Tanner Award for Excellence in Undergraduate Teaching, Matson has served on a number of campus committees.

On the national level, he serves on the Council of Graduate Schools (CGS) Board of Directors. Made up of more than 500 institutions of higher education in the United States and Canada, the CGS's mission is to improve and advance graduate education through advocacy in the federal policy arena, research and the development and dissemination of best practices. Matson also is chair-elect of the Graduate Record Exam (GRE) Board of Directors and is a member of the TOEFL Board, which advises the Educational Testing Service (ETS) on policies related to the English language test.

As dean of The Graduate School, Matson has led interdisciplinary efforts focused on extending critical support to graduate students, including creation of a Summer Research Fellowship program focused on academic areas where summer funding is limited, and creation of the Richard Bland Fellowship Professional Pathways Program, for student internships that explore specific non-faculty career paths.

Matson and his graduate dean colleagues across North Carolina implemented Graduate Education Day at the Capitol in 2011. He serves as president-elect of the North Carolina Council of Graduate Schools.

A native of Coos Bay, Ore., Matson earned a bachelor's degree in mathematics from Colgate University. His master's and doctoral degrees are from the University of Rochester, both in biochemistry.

SAMANTHA JOYE

The Doctoral Hooding Ceremony Speaker

Samantha Joye, who holds three degrees from UNC-Chapel Hill, is a leading researcher on the impact of oil and gas seepage in deep ocean environments. She is the Georgia Athletic Association Professor in Arts and Sciences in the University of Georgia's marine sciences department.

Joye's multidisciplinary research into factors affecting the health and sustainability of marine environments focuses on lakes, wetlands, oceans and Arctic environments. She has spent 20 years studying the Gulf of Mexico, and these investigations have taken her twice to the site of the 2010 Deepwater Horizon platform blowout, during which an estimated 206 million gallons of oil spilled into the sea. Joye was the chief scientist on trips in 2010 and in a 2014 return to the site. On both expeditions, she traveled to the sea floor in a submarine to observe the continuing impact of the discharge.

She leads an academic consortium named the Ecosystem Impacts of Oil and Gas Inputs to the Gulf (ECOGIG) project – including researchers from UNC-Chapel Hill – that supports continuing research into changes in the Gulf following the 2010 oil leak. In 2014, the Gulf of Mexico Research Initiative awarded ECOGIG an $18.8 million grant.

Among her honors, Joye has received the Distinguished Service Award for Education and Outreach from the U.S. Department of the Interior and was elected a Fellow of the American Association for the Advancement of Science. Georgia Trend magazine named her one of the "100 Most Influential Georgians" in 2012. She was awarded a Southeastern Conference Faculty Achievement Award in 2014.

She received her bachelor's degree in biology, and her master's and doctoral degrees in marine sciences from UNC-Chapel Hill.

"Dr. Joye is an exceptional researcher and teacher," said Steven W. Matson, dean of The Graduate School. "Her discoveries contribute critical knowledge to our understanding of the world's oceans and are being applied to efforts to protect them. Her research team includes graduate and undergraduate students, and she clearly values her role as a mentor. These students are learning from one of our nation's top scientists."

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CANDIDATES *for* GRADUATE DEGREES

May 2016 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Kathryn Carrie Adair, *Psychology and Neuroscience*, Present with You: Does Cultivated Mindfulness Lead to Greater Social Connection Through Gains in Decentering and Reductions in Negative Emotions? Professor Barbara Fredrickson.

Charlotte Agger, *Education*, Fleeing the Nest or Staying Close? How Perceptions of Family and Place Shape the Post-Secondary Enrollment of Rural Men and Women. Professor Judith Meece.

Christine B. Agnew, *Health Behavior*, "It's a Bad Thing ... But It's a Good Thing Too": A Mixed Methods Examination of Technology Use and Cyber Dating Abuse Perpetration in Adolescent Romantic Relationships. Professor Clare Barrington.

Lorraine Ahearn, *Journalism and Mass Communication*, Narrative Paths of Native American Resistance: Tracing Agency and Commemoration in Journalism Texts in Eastern North Carolina, 1872–1988. Professor Barbara Friedman.

Ada Al-Qunaibet, *Epidemiology*, Arterial Stiffness and Peripheral Arterial Disease as Indicators of Abdominal Aorta Diameters: The Atherosclerosis and Risk in Communities Study. Professor Gerardo Heiss.

Daniel Anacker, *Microbiology and Immunology*, Regulation of Human Papillomavirus Replication Through Manipulation of DNA Damage Repair Pathways. Professor Cary Moody.

Marybeth Anderson, *Genetics and Molecular Biology*, Hexokinase 2 Is Important for Tumor Growth and Metastasis in Pancreatic Ductal Adenocarcinoma. Professor Jen Jen Yeh.

Kathryn Twigg Arrildt, *Microbiology and Immunology*, Phenotypic and Genetic Features of Macrophage Tropism in HIV-1. Professor Ron Swanstrom.

Tetyana Babina, *Business Administration*, Destructive Creation at Work: How Financial Distress Spurs Entrepreneurship. Professor Geoffrey Tate.

Jinbing Bai, *Nursing*, Parent Distress, Parent-Child Interactions, Child Distress and Child Cooperation During Cancer Treatment-Related Port Starts: A Caring Perspective. Professor Sheila J. Santacroce.

Sierra A. Bainter, *Psychology and Neuroscience*, Estimation Approaches for Generalized Linear Factor Analysis Models with Sparse Indicators. Professor Patrick Curran.

Antonio Balson, *Romance Studies*, De Vidanes a Campazas: El Itinerario Literario de Francisco de Isla Antes de Fray Gerundio: Papeles Crítico-Apologéticos (1726), Tapa-Boca (1727), Juventud Triunfante (1727), Crisis de los Predicadores (1729), Cartas de Juan de la Encina (1732) y Día Grande de Navarra (1746). Professor Irene Gómez-Castellano.

Jeanette Theresa Baran-Gale, *Bioinformatics and Computational Biology*, Dynamics of mRNA and MicroRNA Expression in the Estrogen Response of Breast Cancer Cells. Professors Praveen Sethupathy and Jeremy Purvis.

Brooke Michele Bauer, *History*, Being Catawba: The World of Sally New River, 1746–1840. Professor Kathleen DuVal.

Bryan Geoffrey Behrenshausen, *Communication Studies*, Information in Formation: Power and Agency in Contemporary Informatic Assemblages. Professor Lawrence Grossberg.

Amanda Brickell Bellows, *History*, Slaves and Serfs in the Post-Emancipation Imagination, 1861–1915. Professors W. Fitzhugh Brundage and Louise McReynolds.

Christa Anne Bentley, *Musicology*, Los Angeles Troubadours: The Politics of the Singer-Songwriter Movement, 1968–1975. Professor Jocelyn Neal.

Jeanne Dyches Bissonnette, *Education*, Privileged Pages: Contextualizing the Realities, Challenges and Successes of Teaching Canonical British Literature in Culturally Responsive Ways. Professor Jocelyn Glazier.

Meagan Lynne Blair, *English*, Anticontagionism and Social Reform in 19th-Century Transatlantic Literature. Professor Beverly Taylor.

Adam Bledsoe, *Geography*, Defender Nosso Pedaço de Chão: Quilombola Struggles in Bahia. Professors Alvaro Reyes and Altha Cravey.

James Benjamin Bolling, *English*, Serial Historiography: Literature, Narrative History and the Anxiety of Truth. Professor Megan Matchinske.

Daniel Charles Bowman, *Geological Sciences*, Infrasound from Ground to Space. Professor Jonathan M. Lees.

Rory Earl Bradley, *German Studies*, The Enlightening Supernatural: Ghost Stories in Late 18th-Century Germany. Professor Eric S. Downing.

Danielle Furci Braxton, *Nutrition*, Design and Testing of a Behavioral Weight Loss Program for African American Women Who Are Severely Obese. Professors Alice Ammerman and Carmen Samuel-Hodge.

Jacqueline Burgette, *Health Policy and Management*, The Impact of Early Head Start on Children's Oral Health. Professor Richard Rozier.

Hao Cai, *Pharmaceutical Sciences*, Metformin Efficacy Against Breast Cancer Depends on Its Cellular Uptake via Cation Transporters and Modulation of Insulin/IGF1 Pathway. Professor Dhiren R. Thakker.

Mona Cai, *Epidemiology*, Trends in Oral Anti-Diabetic Utilization and Factors Affecting Effectiveness in Children and Young Adults. Professor M. Alan Brookhart.

Tian Cao, *Computer Science*, Coupled Dictionary Learning for Image Analysis. Professor Marc Niethammer.

Lindsey Anne Carr, *Biology*, Effects of Spatiotemporal Temperature Variation on Benthic Community Dynamics in the Galápagos Islands. Professor John Bruno.

MUSIC

On Commencement weekend, graduates, families and friends will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Doctoral Hooding ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Konigsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Konigsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Craig Anthony Cavanaugh, *Materials Science*, The Microionizer: A Solid State Ion Source for High Pressure Mass Spectrometry. Professor J. Michael Ramsey.

Domenic Hayden Cerri, *Psychology and Neuroscience*, Role of the Ventral Subiculum-to-Nucleus Accumbens Circuit in Reinforcement and Choice of Delayed Outcomes. Professor Regina Carelli.

Srinivas Niranj Chandrasekaran, *Biochemistry and Biophysics*, Parameter Optimization on the Convergence Surface of PATH Simulations. Professor Charles W. Carter Jr.

Grace Anne Chappell, *Environmental Sciences and Engineering*, Alterations to the Epigenome Represent Critical Mechanisms of Chemically Induced Carcinogenesis. Professor Ivan Rusyn.

Devon Check, *Health Policy and Management*, Investigating Racial Disparities in Quality of Chemotherapy-Induced Side Effect Management Among Medicare Beneficiaries with Early Stage Breast Cancer. Professor Stacie B. Dusetzina.

Kevin Chovanec, *English*, Pan-Protestant Heroism in Early Modern England. Professor Reid Barbour.

Pavel A. Chtcheprov, *Biomedical Engineering*, Optical Geometry Calibration Method for Computed Tomography and Applications of Compact Microbeam Radiation Therapy. Professor Otto Zhou.

Yunro Chung, *Biostatistics*, Statistical Contributions to Order Restricted Inference for Survival Data Analysis. Professor Jason P. Fine.

Brittney Pauline Ciszek, *Oral Biology*, Unraveling the Complexities of Idiopathic Pain Disorders: From Mouse to Man. Professor Andrea Nackley.

Emily Joy Clark, *Romance Studies*, Gambling in the Mid-19th-Century Latin American Social Imaginary. Professor Rosa Perelmuter.

Spencer Clouatre, *Business Administration*, Person-Environment Fit in Army Talent Management: An Integrative Approach. Professor Jeffrey R. Edwards.

Sydney Kellen Conrad, *Romance Studies*, Futurism and Propaganda: Manifestos, Theatres and Magazines. Professor Federico Luisetti.

Erin R. Corrales-Diaz, *Art History*, Remembering the Veteran: Disability, Trauma and the American Civil War, 1861–1915. Professor Ross Barrett.

Ashley Nicole Costner, *Education*, Assessing the Cognitive Functioning of Students with Intellectual Disabilities: Practices and Perceptions of School Psychologists. Professor Rune Simeonsson.

Christopher Courtheyn, *Geography*, "Memory Is the Strength of Our Resistance": A Critical Performance Geography of Peace, Memory, Territory and Politics in the San José Peace Community, Colombia. Professors Altha Cravey and Alvaro Reyes.

Raquel Zanatta Coutinho, *Sociology*, The Transition to Low Fertility in Brazil. Professor S. Philip Morgan.

Melissa J. Cox, *Health Behavior*, Examining Bidirectional Relationships Between Parental Socialization Behaviors and Adolescent Alcohol Misuse Across Early and Middle Adolescence. Professor Susan T. Ennett.

Jessica Coyle, *Biology*, Trait-Based Inference of Environmental Constraints on Lichen Epiphyte Communities at Multiple Spatial Scales. Professor Allen Hurlbert.

Rex B. Crews, *Classics*, The Handbooks de Officio Proconsulis: Authorship and Audience. Professor James Rives.

Jonny Crocker, *Environmental Sciences and Engineering*, Evaluating the Process, Costs and Outcomes of Engaging Natural Leaders and Teachers in Community-Led Total Sanitation. Professor Jamie Bartram.

Tomasz Joseph Czernuszewicz, *Biomedical Engineering*, Atherosclerotic Plaque Characterization in Humans with Acoustic Radiation Force Impulse (ARFI) Imaging. Professor Caterina M. Gallippi.

Onur Dagliyan, *Biochemistry and Biophysics*, Engineered Control of Protein Activity in Living Cells. Professors Nikolay Dokholyan and Klaus Hahn.

Jameela Fay Dallis, *English*, Haunted Narratives: The Afterlife of Gothic Aesthetics in Contemporary Transatlantic Women's Fiction. Professors Minrose Gwin and Shayne Legassie.

Suzanne Daly, *Nursing*, Racial Differences in the Quality of Home Health Care: What Are the Contributing Factors? Professor Barbara Mark.

Charna D'Ardenne, *Education*, Literacy for What? An Exploration of the Literacy Practices, Relationships and Schooling Experiences of a Latino Family. Professor Jocelyn Glazier.

Alakananda Das, *Biochemistry and Biophysics*, The Crescerin Protein Family Uses Arrayed TOG Domains to Regulate Microtubules in Cilia. Professor Kevin Slep.

Yu Deng, *Biostatistics*, Generalized Change-Point Hazard Models with Censored Data. Professors Jianwen Cai and Donglin Zeng.

Stephanie M. DeVane-Johnson, *Nursing*, Shifting the Gaze of African American Infant Feeding to a Psychological, Cultural and Socio-Historical Lens. Professor Cheryl Woods Giscombé.

Michael Dimpfl, *Geography*, Clean U: Cleanliness, Social Difference and the Dirty Work of Everyday Hygiene. Professors Sara Smith and Banu Gökariksel.

Benjamin Joshua Doty, *English*, The Anatomy of Conscience: Science, Ethics and Religion in 19th-Century American Literature. Professor Jane F. Thrailkill.

Brian Drohan, *History*, Rights at War: British Counterinsurgency in Cyprus, Aden and Northern Ireland. Professor Susan Pennybacker.

Lauren Du Graf, *Comparative Literature*, Ambivalent Americanism: U.S. Literary Modernism in France and Algeria After 1940. Professor Inger Brodey.

James Michael Dunleavey, *Cell and Molecular Physiology*, PECAM-1-Dependent Vascular Mimicry in Melanoma: Contributions to Anti-Angiogenic Resistance. Professor Andrew C. Dudley.

Danielle D. Durham, *Epidemiology*, Insurance Status and Diagnostic Follow-Up Disparities in Breast Cancer Screening. Professor Whitney R. Robinson.

Meridith Lyn Eastman, *Health Behavior*, Profiles of Reactivity to Bullying Victimization: Genetic and Family Environment Predictors. Professor Vangie Foshee.

Ashlee Acisha Edwards, *Information and Library Science*, Engaged or Frustrated? Disambiguating Engagement and Frustration in Search. Professor Diane Kelly.

Amanda Marie Eudy, *Epidemiology*, Gestational Weight Gain and Pre-Conceptional Cardiovascular Health in Pregnant Women with Systemic Lupus Erythematosus. Professor Anna Maria Siega-Riz.

Maria C. Fellie, *Romance Studies*, Antonio Colinas: Poetry and Life (1967–1988), A Critical Introduction to the Foundational Poetic Works with Selected Translations. Professor Irene Gómez-Castellano.

Matthew West Feminella, *Germanic Languages*, Staging Spontaneity: Corporeal Expression and the Paradox of Acting in the German Theater Discourse Around 1800. Professor Clayton Koelb.

Qing Feng, *Statistics and Operations Research*, Statistical Integration of Information. Professors J. S. Marron and Jan Hannig.

Amelia Morel Fiske, *Anthropology*, Crude Assemblages: Harm from Oil Operations in the Ecuadorian Amazon. Professor Margaret Wiener.

Samuel H. Flanders, *Economics*, Essays in Microeconomics. Professor Gary Biglaiser.

Cory James Flynn, *Chemistry*, Understanding the Synthesis, Performance and Passivation of Metal Oxide Photocathodes. Professor James Cahoon.

Vera Rosamond Foley, *English*, The Home Front Revisited: Visions of Union from Professional Women Writers of the American North, 1859–1877. Professor Philip F. Gura.

Erik Forseth, *Physics and Astronomy*, High-Precision Extreme-Mass-Ratio Inspirals in Black Hole Perturbation Theory and Post-Newtonian Theory. Professor Charles R. Evans.

Chris M. Foster, *Psychology and Neuroscience*, The Effect of Domain General Age-Related Cognitive Changes on the Pattern Completion Bias and Episodic Memory. Professor Kelly Giovanello.

Valerie Fox, *Occupational Science*, An Exploration of Social Participation for Young Adults Following a First Psychotic Episode. Professor Antoine Bailliard.

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Heather Kay Altman, *Health Policy and Management*, Assessing the "Livability" of Cities and Towns in Central North Carolina for Older Adults: Implementing the "TJCOG Livability Self-Assessment" Pilot Study. Professor Sandra B. Greene.

Diana Nicole Derige, *Health Policy and Management*, Breastfeeding Among U.S. Latinas: Subgroup Analysis of the National Immunization Survey. Professor Bruce Fried.

Karine M. Dube, *Health Policy and Management*, Assessing Factors Affecting Participation in HIV Cure-Related Research: Implications for Effective and Ethical Implementation. Professor Sandra B. Greene.

Christopher A. Jones, *Health Policy and Management*, Examining the Efficacy and Feasibility of Digital Activity Monitors and Shared Active Desks on Reducing Sedentary Behavior in a Large Academic Medical Center. Professor James Porto.

Louise Makau-Barasa, *Health Policy and Management*, Improving Access to Cancer Testing and Treatment in Kenya. Professor Antonia Bennett.

Angelo Mojica, *Health Policy and Management*, Factors Associated with Improved Hospital Meal Satisfaction: Leadership Implications for Food Services Organizations. Professor Suzanne Babich.

Claire Carlson Neal, *Health Policy and Management*, Treatment Costs of Pediatric Cancer in Rwanda. Professor Sandra Greene.

Koyejo Abiodun Oyerinde, *Health Policy and Management*, Developing Measures of Care Coordination for Maternal and Newborn Health Services in Developing Countries: The Gambia as a Test Case. Professor Harsha Thirumurthy.

Amy Rankin-Williams, *Health Policy and Management*, How Can Male HIV Testing Rates in Rural, Southern Malawi Be Increased? A Mixed Methods Study. Professor Suzanne Babich.

Stacy Ann Sterling, *Health Policy and Management*, Barriers to and Facilitators of Implementation of Screening, Brief Intervention and Referral to Treatment for Risky Substance Use for Adolescents Pediatric Primary Care: A Qualitative Interview Study. Professor Asheley Skinner.

Shannon Kimberly Stokley, *Health Policy and Management*, Consumer Access to Immunization Information Systems: Evaluation of a Five-State Pilot Project. Professor Christopher Shea.

Hengrui Sun, *Biostatistics*, Controlling Multiplicity in Confirmatory Clinical Trials. Professor Gary Koch.

Anne Wojtak, *Health Policy and Management*, How Can We Evaluate and Enhance the Impact of Third-Party Public Reporting on Quality Improvement for Health Care in the Province of Ontario, Canada? Professor Suzanne Babich.

DOCTOR OF NURSING PRACTICE

Cynthia Dawn Lee, *Nursing Practice*, Hand Washing Practices of Hispanic Women in a Community Health Setting. Professor Jean Davison.

Brenda Truman Pun, *Nursing Practice*, The ABCDEF Bundle: A Concept to Align the People, Processes and Technology in the ICU. Professor Meg Zomorodi.

Robyn Jean Wood, *Nursing Practice*, A Pre-Implementation Assessment of MIECHV Services for Orange County, North Carolina. Professor Shawn Kneipp.

GRADUATE DEGREES

August 2015

Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Jesse Abdenour, *Journalism and Mass Communication,* The Face of Investigative News: A Mixed-Method Analysis of Local Television Investigative Journalism Content, Perceptions and Influences. Professor Daniel Riffe.

Donovan Augustus Anderson, *City and Regional Planning,* The New El Dorado: Black Locational Attainment in the Post-Civil Rights Era. Professor Mai Nguyen.

Katie Michael Belardi, *Speech and Hearing Sciences,* The Nature and Nurture of Canonical Babbling in Infants with Neurodevelopmental Disorders. Professor Linda Watson.

Volha Belskaya, *Economics,* Essays on the Expansion of Higher Education. Professor Klara Sabirianova Peter.

Sheena Roxanne Berry, *Education (School Psychology),* An Analysis of Preschool Classroom Supports on Child Language Development. Professor Barbara Wasik.

Darrell Joseph Bethea, *Computer Science,* WACCO and LOKO: Strong Consistency at Global Scale. Professor Michael Reiter.

Justin Black, *Biochemistry and Biophysics,* Explorations of the Role of CIB1 in Cell Survival and Tumor Growth. Professor Leslie Parise.

Kenion Blakeman, *Chemistry,* Development of High Pressure Mass Spectrometry for Handheld Instruments. Professor John Ramsey.

Lindsay Bloch, *Anthropology,* Made in America? Ceramics, Credit and Exchange on Chesapeake Plantations. Professor Anna Agbe-Davies.

Namdi Brandon, *Mathematics,* Novel Integration in Time Methods Via Deferred Correction Formulations and Space-Time Parallelization. Professor Jingfang Huang.

Lindsey Brandt, *Carolina-Duke Joint Program in German Studies,* Tangled Up in Truths: German Literary Conceptions of Nature Between Romantic Science and Objective Empiricism. Professor Eric Downing.

Samira Brooks, *Toxicology,* The Regulation of Gene Expression Profiles in Clear Cell Renal Cell Carcinoma by Tumor Heterogeneity and Environmental Exposure. Professor Wendy Rathmell.

Shawn D. Brown, *Computer Science,* Case Studies on Optimizing Algorithms for GPU Architectures. Professor Jack Snoeyink.

Jazmin Brown-Iannuzzi, *Psychology,* Social Class Disparities in Pain: Understanding the Role of Subjective Socioeconomic Status and Hyper-Vigilance to Threats. Professor B. Keith Payne.

Robert Bruce, *Chemistry,* Charge Transport in Organic and Organometallic Molecules: Device Design, Fabrication and Testing. Professor Wei You.

Martin Lewis Buchkovich, *Bioinformatics and Computational Biology,* Identifying Genetic Mechanisms of Cardiometabolic Traits and Diseases Using Quantitative Sequence Data. Professors Karen Mohlke and Terrence Furey.

Emily Dawn Bunner, *English,* In Network: Gaming Theory as a Strategy for Building Digital Health Literacy. Professor Todd Taylor.

Joseph Cabosky, *Journalism and Mass Communication,* Queering Agenda Building: LGBT Advocacy Organizations and Strategic Information Flow Through Multiple Media Platforms. Professor Rhonda Gibson.

Jessie Montana Cain, *Education,* Clarifying Multicultural: The Development and Initial Validation of the Multicultural Teacher Capacity Scale. Professor Gregory Cizek.

Xiomara Campilongo, *Romance Languages and Literatures,* "El Pájaro: Pincel y Tinta China" y "La Sombra del Caminante": Dos Novelas Antidetectivescas de Ena Lucía Portela. Professor Rosa Perelmuter.

Kathryn Ann Jacob Caprino, *Education,* Investigating an Online Study Group as a Path to Critical Digital Writing for Four Middle Grades English Teachers: A Qualitative Study. Professor Cheryl Bolick.

Christina Bowen Carroll, *History,* Defining the French Empire: Memory, Politics and National Identity, 1860–1900. Professor Lloyd Kramer.

Bipasa Chattopadhyay, *Computer Science,* Integrating Pragmatic Constraints and Behaviors into Real-Time Scheduling Theory. Professor Sanjoy Baruah.

Annie Tze-Tze Chen, *Information and Library Science,* Meaning, Information and Online Participation Along the Illness Journey: The Story for Fibromyalgia Patients. Professor Barbara Wildemuth.

Justin Contat, *Economics,* Political Lobbying with Private Information. Professor Sergio Parreiras.

Kaitlin Light Costello, *Information and Library Science,* Social Information Behaviors in the Context of Chronic Kidney Disease: Information Seeking and Disclosure in Online Support Groups. Professor Barbara Wildemuth.

Daniel James Crona, *Pharmaceutical Sciences,* Identification and Validation of Germline Genetic Variants That Associate with Sorafenib Clinical Outcomes and Cytotoxicity. Professors Timothy Wiltshire and Federico Innocenti.

Keren E. Dalyot, *Education,* Gender Equality in Education: Examining the Dialogue Between International and National Policies in Ghana. Professor Catherine Marshall.

Heather D'Angelo, *Health Behavior,* An Examination of Community and Consumer Tobacco and Food Retail Environments. Professor Kurt Ribisl.

Jade E. Davis, *Communication Studies,* Historical Glitch: Understanding Digital Media Through the Photographic Lens. Professor Ken Hillis.

Luke F. Dodd, *Marine Sciences,* Predator-Prey Relationships Between Crassostrea Virginia and Several Species of Crab Affect Oyster Reef Function. Professors Michael Piehler and Jonathan Grabowski.

Heather Edelblute, *Sociology,* Social Networks, Gender and Health for Mexican Women. Professor Ted Mouw.

Glenn Alexander Elliott, *Computer Science,* Real-Time Scheduling for Gpus with Applications in Advanced Automotive Systems. Professor James Anderson.

Elizabeth Nicole Ellis, *History,* The Many Ties of the Petites Nations: Relationships, Power and Diplomacy in the Lower Mississippi Valley, 1685–1785. Professor Kathleen Duval.

Kim Engie, *Geography,* Adaptation and Shifting Livelihoods in the Small-Scale Fisheries of the Galápagos Marine Reserve, Ecuador. Professor Stephen Walsh.

Jeffrey Alan Erbig Jr., *History,* Imperial Lines, Indigenous Lands: Transforming Territorialities of the Río De La Plata, 1680–1805. Professor Kathryn Burns.

John Elias Esposito, *Classics,* Hetaireia in Homer. Professor Fred Naiden.

Laura Fabricant, *Psychology,* The Utility of Obsessive Compulsive Analogue Research: A Comparison of OCD Patient, Analogue and Nonclinical Samples. Professor Jonathan Abramowitz.

Mary Elizabeth Fitts, *Anthropology,* Defending and Provisioning the Catawba Nation: An Archaeology of the Mid-18th-Century Communities at Nation Ford. Professor C. Scarry.

Paul Joseph Fleming, *Health Behavior,* The Role of Masculine Gender Norms in HIV Vulnerability Among Dominican Men Enrolled in a Circumcision Feasibility Trial. Professor Clare Barrington.

Robert Galantucci, *Political Science,* Taking the Lead on Trade: Legislative Participation, Effectiveness and Strategy in Foreign Trade Policy. Professor Layna Mosley.

Ashly Louise Gaskin, *Psychology,* The Relationship Between Skin Tone and Psychological Adjustment: Exploring the Role of Racial Socialization. Professor Enrique Neblett.

Julia Elisabeth Geddings, *Pathology,* The Role of Tumor Microvesicles in Cancer-Associated Thrombosis. Professor Nigel Mackman.

Shaun Gidcumb, *Materials Science,* Characterization of Methane Storage in Gas Shales Using NMR. Professor Yue Wu.

Graham Kurt Giovanetti, *Physics,* P-Type Point Contact Germanium Detectors and Their Application in Rare-Event Searches. Professor John Wilkerson.

Diana Marcela Gomez Correal, *Anthropology,* Of Love, Blood and the Belly: Politicization of Intimate Ties of Caring and Belonging in Colombia. Professor Arturo Escobar.

Oleg Gredil, *Business Administration,* Market-Timing and Agency Costs: Evidence From Private Equity. Professor Gregory W. Brown.

Matthew Michael Green, *Education,* Authoring American: An Exploration and Interpretation of Identity Practices in an Elementary Classroom. Professor Lynda Stone.

Kyle Grode, *Biology,* Identification of the Molecular Determinants for Regulation of Microtubule Severing by Katanin. Professor Stephen Rogers.

Sarah Hatcher, *Environmental Sciences and Engineering,* Environmental Presence of and Potential Occupational Exposure to Antibiotic-Resistant Staphylococcus Aureus in Regions of High Industrial Hog Operation Density. Professor Jill Stewart.

Elizabeth M. Haynes, *Cell and Devclopmental Biology,* Gmfβ Controls Branched Actin Content and Lamellipodial Retraction in Fibroblasts. Professor James Bear.

Caleb Crandall Hicks, *Linguistics,* Condition Bias in Split-Alignment Systems: A Typological Study of North American Languages. Professor David Mora-Marín.

Daniel R. Hoer, *Marine Sciences,* The Role of Marine Sponges in Carbon and Nitrogen Cycles of Coral Reef and Nearshore Environments. Professor Christopher Martens.

Philip Clark Hollingsworth, *Romance Languages and Literatures,* The Image of Opium and Morphine in Hispanic Modernista Literature, 1876–1949. Professor Juan Carlos González Espitia.

Alexander Hoover, *Mathematics,* From Pacemaker to Vortex Ring: Modeling Jellyfish Propulsion and Turning. Professors Laura Miller and Boyce Griffith.

Ryan Matthew Horne, *History,* Imperial Power and Local Autonomy in Greek Garrison Communities: The Phrourarchia and the Polis. Professor Richard Talbert.

Jaimie C. Hunter, *Health Behavior,* Depression, Diabetes and Social Support. Professor Edwin Fisher.

Leigh Anna Hutchison, *Education,* Self-Regulated Learning in Context; Interplay of Cognition, Motivation and Affect in the Composing Process. Professor Jeffrey Greene.

Yuan Jin, *Mathematics,* Rheology and Flow of Mucus in Human Bronchial Epithelial Cell Cultures. Professor Gregory Forest.

Carolyn West Jones, *Nursing,* Parental Stress and Coping During the Hospitalization of a Child. Professor Mary Lynn.

Sara Jones, *Epidemiology,* Association of Mid-Life Alcohol Consumption with Stroke and Cognitive Decline in the Atherosclerosis Risk in Communities Study. Professor Wayne Rosamond.

Meher Rohit Juttukonda, *Biomedical Engineering,* MRI-Based Correction for PET Photon Attenuation in Simultaneous PET/MRI Using Ultrashort Echo Time Methods. Professors Hongyu An and David Lalush.

Ankunda Kariisa, *Microbiology and Immunology,* Nucleotide Second Messengers Signal Through Transcriptional and Posttranscriptional Regulators to Control the Production of a Colonization Factor in Vibrio Cholerae. Professor Rita Tamayo.

Jason B. Kauffman, *History,* The Unknown Lands: Nature, Knowledge and Society in the Pantanal of Brazil and Bolivia. Professor Cynthia Radding.

Jessica Keroack, *Education (School Psychology),* Exploring the Relationship Between Coaching Behavior and Developmental Outcomes Among Adolescent Female Athletes in Competitive Sport. Professor Steve Knotek.

Patrick Kosuke Kimes, *Statistics and Operations Research,* New Statistical Learning Approaches with Applications to RNA-Seq Data. Professors D. Neil Hayes, Yufeng Liu and James Marron.

Klara Klein, *Cell and Molecular Physiology,* Adrenomedullin, Chemokine Receptors and Receptor Activity Modifying Proteins in Lymphangiogenesis. Professor Klara Caron.

Megan L. Kovac, *Education (School Psychology),* Affect-Modulated Postauricular Reflexes of Children with Autism Spectrum Disorder. Professors Rune Simeonsson and Gabriel Dichter.

Abhash Kumar, *Geological Sciences,* Intermediate-Depth Earthquakes, Slab Stress State and Upper Mantle Structure Beneath the North Central Andes. Professor Drew Coleman.

Jessica Kurth, *Biology,* The Effects of Body Size on Soft-Bodied Burrowers. Professor William Kier.

Brendan C. Lainhart, *Chemistry,* Development of Transition-Metal Catalyzed Carbon-Carbon Bond Forming Reactions. Professor Erik Alexanian.

Travis Lajoie, *Chemistry,* Conjugated Polymer Brushes as Molecular Wires in Electronic Devices: Synthesis, Device Design and Characterization. Professor Wei You.

Diana Fong-Hor Lam, *Biostatistics,* Innovative Methods for Some Statistical Issues in Clinical Trials. Professor Gary Koch.

Michael Lamm, *Statistics and Operations Research,* Confidence Intervals for Stochastic Variational Inequalities. Professor Shu Lu.

Kathryn Lancaster, *Epidemiology,* Substance Use and Engagement across the HIV Care Continuum Among Female Sex Workers, A Key Population in Malawi. Professor William Miller.

John Peter Lappie, *Political Science,* Voter Behavior in Elections Without Party Labels. Professor Thomas Carsey.

Gen Li, *Statistics and Operations Research,* Integrated Analysis of Multiple Data Sets with Biomedical Applications. Professors Andrew Nobel and Haipeng Shen.

Jin Li, *Bioinformatics and Computational Biology,* Genetic Association Studies: Application in the Investigation of Biomarkers Related to Cardiovascular Diseases and Study Design. Professor Ethan Lange.

Wentao Li, *Chemistry,* Fundamental Understanding of a High Performance Polymer for Organic Photovoltaics and New Material Development by Rational Molecular Engineering. Professor Wei You.

Lin Lin, *Environmental Sciences and Engineering,* Characterization of the Water Transport Properties of the Active Layers of Polyamide Reverse Osmosis and Nanofiltration Membranes. Professor Orlando Coronell.

Steven J. Lippmann, *Epidemiology,* Impacts of High Temperatures on Cause-Specific Emergency Department Visits in North Carolina. Professor David Richardson.

Ashley Littleton, *Exercise and Sport Science,* The Effects of Physical and Cognitive Activity Levels Post-Concussion on Recovery. Professor Kevin Guskiewicz.

Zhixiang Luo, *Physics,* In-Situ NMR Study of Molecular and Ionic Processes Inside Carbon Nanopores. Professor Yue Wu.

Joshua Aaron Lynn, *History,* Preserving the White Man's Republic: The Democratic Party and the Transformation of American Conservatism, 1847–1860. Professor Harry Watson.

Chantel Martin, *Epidemiology,* Association Between Maternal Dietary Patterns During Pregnancy and Early Childhood Growth Outcomes. Professor Anna Maria Siega-Riz.

Liz Mason-Deese, *Geography,* The Unemployed in Movement: Struggles for a Common Territory in the Buenos Aires Urban Periphery. Professor Altha Cravey.

Calum Lister Matheson, *Communication Studies,* Desired Ground Zeroes: Nuclear Imagination and the Death Drive. Professors Christian Lundberg and Sarah Sharma.

Allison Christine Mathews, *Sociology,* Negotiating Multiple Stigmatized Identities: Examining the Strategies Black Gay Men Use to Reduce Identity Conflict. Professor Karolyn Tyson.

John William Ryckman Mellnik, *Bioinformatics and Computational Biology,* Microrheology and Heterogeneity in Biological Fluids: Approaches, Models and Applications. Professor Tim Elston.

Elizabeth Menninga, *Political Science,* Multiparty Mediation: Identifying Characteristics of the Mediation Dream Team. Professor Stephen Gent.

Katherine Elizabeth Michaux, *Chemistry,* Characterization of Water Oxidation Catalysts for Implementation in a Dye-Sensitized Photoelectrosynthesis Cell. Professors Royce Murray and James Jorgenson.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Marisa Morrison, *Health Policy and Management,* Medicaid Expansion Programs: Effects on Medicaid Enrollment and Healthcare Employment. Professor Jonathan Oberlander.

Peter Morse, *Chemistry,* The Development of an Enantioselective Cation Radical Diels-Alder Reaction and Other Complexity Generating Transformations. Professor David Nicewicz.

Mayukh Mukherjee, *Mathematics,* Variational Approaches to Nonlinear Schrodinger and Klein-Gordon Equations. Professor Michael Taylor.

Maya Nadimpalli, *Environmental Sciences and Engineering,* Exposure to Zoonotic Staphylococcus Aureus Among Industrial Hog Operation Workers and Their Household Contacts in North Carolina and Dissemination into the Household Environment. Professors Jill Stewart and Christopher Heaney.

Ai Ni, *Biostatistics,* Variable Selection for Case-Cohort Studies with Failure Time Outcome. Professor Jianwen Cai.

Lisa Nigro, *Marine Sciences,* Microbial Diversity and Evolution in Gulf of Mexico Hypersaline Environments. Professor Andreas Teske.

Akinyemi Oni-Orisan, *Pharmaceutical Sciences,* Translational Approaches to Understanding the Role of Cytochrome P450-Derived Epoxyeicosatrienoic Acids in Coronary Artery Disease. Professor Craig Lee.

Fang-Shu Ou, *Biostatistics,* Quantile Regression Models for Interval-Censored Failure Time Data. Professors Jianwen Cai and Donglin Zeng.

Zhengqi Pan, *Political Science,* Global Value Chains and Production Networks: State-Business Relations and Complexity in Economic Crises. Professor Thomas Oatley.

Brendan Peacor, *Chemistry,* Application of Small Molecule Receptors to the Analysis of Post-Translational Modifications Using Fluorescent Indicator Displacement Assays. Professor Marcey Waters.

Michael Thomas Perfetti, *Pharmaceutical Sciences,* Discovery of Small Molecule and Peptide-Based Ligands for the Methyl-Lysine Binding Proteins 53BP1 and PHF1/PHF19. Professor Stephen Frye.

Ellen Foot Perkowski, *Microbiology and Immunology,* Development of a Novel Method for Genome-Wide Identification of Proteins Exported During Infection and Functional Studies of One in Vivo Exported Protein in Mycobacterium Tuberculosis. Professor Miriam Braunstein.

Adam David Pfefferle, *Pathology,* Genetically Engineered Mouse Models of Breast Carcinoma: A Translational Resource for Highlighting Human Breast Subtype Etiology and Developing Personalized Therapeutic Approaches. Professor Charles Perou.

Brian Loren Pohl, *Physics,* Exploring the Milky Way Outer Halo Globular Clusters AM 1 and Pyxis. Professors Bruce Carney and Daniel Reichart.

Alex Hoyt Poole, *Information and Library Science,* Forging Our Cultural Commonwealth: The Importance of Digital Curation in the Digital Humanities. Professor Helen Tibbo.

Christian Manuel Posso, *Economics,* Understanding Mechanisms Underlying the Long-Term Effects of Scholarships for Secondary School: Evidence From a Large Field Experiment in Colombia. Professor David Guilkey.

Yuanyuan Qin, *Nutrition,* Dietary Exposures Contribute to Different Diseases Through the Microenvironment. Professor Liza Makowski.

Kenneth Dean Reddix II, *Economics,* Powering Demand: Solar Photovoltaic Subsidies in California. Professor Brian McManus.

Sada Reed, *Journalism and Mass Communication,* Conflicting Loyalties: An Examination of the Role Community Membership and Sports Fandom Have on Sports Journalists' Interactions with Whistleblowers. Professor Daniel Riffe.

Katelyn Reighard, *Chemistry,* Antibacterial and Biophysical Characterization of Nitric Oxide-Releasing Chitosan Oligosaccharides – Towards a New Cystic Fibrosis Therapeutic. Professor Mark Schoenfisch.

Jackie Eunjung Relyea, *Education,* The Relationship Between Early Word Reading and Reading Comprehension for Language-Minority Learners and Native-English-Speaking Students: A Seven-Year Longitudinal Study. Professor Jill Fitzgerald.

John David Ribo, *Comparative Literature,* Decolonizing the Caribbean Borderlands: The Haitian Revolution in Contemporary Latina/o Cultural Production. Professor María DeGuzmán.

Andrew W. Roberts, *Pharmaceutical Sciences,* Optimizing the Public Health Benefit of a Medicaid Controlled Substance Lock-In Program. Professors Joel Farley and Asheley Skinner.

Thatsanec Saladyanant, *Dentistry (Oral Biology),* HPV and Oral Innate Immunity: A Role for E5. Professor Jennifer Webster-Cyriaque.

Edward Santilli, *Physics,* The Stratified Ocean Model with Adaptive Refinement (SOMAR). Professor Alberto Scotti.

Erich V. Scheller, *Microbiology and Immunology,* Contribution of Fimbria and Filamentous Hemagglutinin in Bordetella Adherence and Immune Suppression. Professor Peggy Cotter.

Emily Margaret Schmidt, *Biology,* An Analysis of Individual Variation in Behavior. Professor Karin Pfennig.

Lawrence Scholl, *Health Behavior,* Parenting for the Learner Stage of Graduated Driver Licensing. Professor Susan Ennett.

Eric Scott, *Microbiology and Immunology,* Immune Cells and Type I Interferon in Systemic Lupus Erythematosus Patient Urine and Kidney Immunopathology. Professor Stephen Clarke.

Michael Sguerri, *Romance Languages and Literatures,* The Pen Is Mightier Than the Bomb: Representations of Right-Wing Terrorism in Fictional Works. Professor Federico Luisetti.

Wen Jenny Shi, *Statistics and Operations Research,* Bayesian Viral Substitution Analysis and Covariance Estimation Via Generalized Fiducial Inference. Professors Jan Hannig and Corbin Jones.

Grace Silva, *Bioinformatics and Computational Biology,* Comprehensive Characterization of DNA Copy Number Alterations in Mouse and Human Breast Tumors. Professor Charles Perou.

Austin E. Smith, *Chemistry,* Protein Structure, Stability and Dynamics in Cells and Cell-Like Environments. Professor Gary Pielak.

Weston James Smith, *Chemistry,* The Role of Cobalamin in Biological Photochemistry. Professors David Lawrence and Marcey Waters.

Meghan Rachel Sobel, *Journalism and Mass Communication,* Moving Beyond the Sensationalized: A Mixed Methods Approach to Understanding Sex Trafficking News Coverage in Thailand. Professor Anne Johnston.

Robert Lanning Sons, *Cell and Developmental Biology,* Regulatory Modifications of MicroRNA and Short Hairpin RNA Precursors. Professor Scott Hammond.

Danielle Laura Spurlock, *City and Regional Planning,* Intention and Action: Plan and Policy Implementation for Water Resource Protection. Professor Philip Berke.

David Vincent Stark, *Physics,* Drivers of Galaxy Fueling. Professor Sheila Kannappan.

Shaun P. Steele, *Microbiology and Immunology,* The Role of Nutritional Virulence in Francisella Tularensis Pathogenesis. Professor Tom Kawula.

Jennifer Green Stevenson, *Psychology,* Factors Underlying Natural Reward Devaluation by Cocaine: Effects of Dose and Exercise. Professors Regina Carelli and Linda Dykstra.

Thomas Gordon Stewart, *Biostatistics,* Statistical Learning with Missing Data. Professors Michael Wu and Donglin Zeng.

Angela Stover, *Health Behavior,* One Size Does Not Fit All: Predicting Subgroups of Breast Cancer Survivors Who Report Different Physical Activity and Sedentary Behavior From Pre-Diagnosis to Ten Years Post-Diagnosis. Professors Christine Rini and Bryce Reeve.

Yang Sun, *Physics,* Relations between 6D N = (2; 0) Super Conformal Field Theory and 5D, 4D Gauge Theories. Professor Louise Dolan.

Kathryn Trogden, *Biology,* TOG Proteins Are Spatially Regulated by Rac-GSK3β to Control Interphase Microtubule Dynamics. Professor Stephen Rogers.

Sara A. Turner, *Chemistry,* Dynamic Step-Growth Polymer Materials. Professors Valerie Ashby and Sergei Sheiko.

Chung-Nan Tzou, *Mathematics,* Formation of Underwater Plumes and Velocity Variations Due to Entrainment in Stratified Environments. Professors Roberto Camassa and Richard McLaughlin.

Ashton M. Verdery, *Sociology,* Three Essays on Interdisciplinarity and Knowledge Production. Professor Barbara Entwisle.

Derek Vermeulen, *Physics,* Raman Scattering of Organic Charge Transfer Compounds. Professor Laurie Mcneil.

Steven Dodd Wall, *Education,* Science Teacher Development and the Lens of Social Media: An Investigation into the Identity and Influences Upon the Development of Elementary Pre-Service Science Teachers. Professor Janice Anderson.

Dong Wang, *Statistics and Operations Research,* Some Statistical Approaches to the Analysis of Matrix-Valued Data. Professor Young Truong and Haipeng Shen.

Ling Wang, *Statistics and Operations Research,* Statistical Essays Motivated by Genome-Wide Association Study. Professors Haipeng Shen and Guang Guo.

Craig Warmke, *Philosophy,* Numbers and Necessity. Professor Robert Adams and Thomas Hofweber.

Stephanie Leah Wear, *Marine Sciences,* Coastal Pollution, Cross-Sector Collaboration and a New Way Forward for Coral Reef Conservation. Professor Charles Peterson.

Laura Michelle Weise Cross, *Pathology,* Regulation of Smooth Muscle Cell Phenotype by the Rhoa Effectors Mdia1 and Mdia2. Professor Christopher Mack.

James David Wilson, *Statistics and Operations Research,* Statistical Analysis of Relational Data: Mining and Modelling Complex Networks. Professors Andrew Nobel and Shankar Bhamidi.

Gregory Joseph Wolf, *Political Science,* Parties in the American Electorate. Professor James Stimson.

Yuying Xie, *Statistics and Operations Research,* Estimation of Graphical Models with Biological Applications. Professors Yufeng Liu and Willam Valdar.

Liang Yin, *Statistics and Operations Research,* Confidence Region and Intervals for Sparse Penalized Regression Using Variational Inequality Techniques. Professors Shu Lu and Yufeng Liu.

Ayoung Yoon, *Information and Library Science,* Data Reuse and Users' Trust Judgments: Toward Trusted Data Curation. Professor Helen Tibbo.

Ning Yu, *Dentistry (Oral Biology),* Gingival Fibroblast and Epithelial Functions in Periodontal Disease-Modulation by Insulin Resistance. Professor Steven Offenbacher.

DOCTOR OF NURSING PRACTICE

Daria Lewis, *Nursing,* The Impact of an Influenza Vaccine Clinic on Vaccination Rates and Cold and Flu Symptoms in a Clinic for the Homeless. Professor Debra Barksdale.

DOCTOR OF PUBLIC HEALTH

Bradley Gordon Hammill, *Biostatistics,* The Use of Propensity Score Methods to Address Confounding by Provider. Professor Amy Herring.

Sue Lynn Ledford, *Health Policy and Management,* Improving the Transition Process From Pediatric to Adult HIV Care in North Carolina: A Patient- and Family-Centered Perspective System Dynamics Model. Professor Andrea K. Biddle.

Deus Bazira Mubangizi, *Health Policy and Management,* Use of Learning Collaborative in the Implementation of Patient-Centered Medical Home Model in the State of Maryland: What Are the Facilitators and Barriers? Professor George Holmes.

Eduardo Benjamin Puertas, *Health Policy and Management,* Factors That Influence a Career Choice in Primary Care: A Mixed-Methods Study among Medical Students Starting the Social Service Program in Honduras. Professors Suzanne Babich and Thomas Ricketts.

Eduardo Eric Valverde, *Health Policy and Management,* The Association of Internalized HIV Stigma with Retention in HIV Care. Professor Bryce Reeve.

Alison Wise, *Biostatistics,* Making Robust Use of Parental Genotype Data for Finding Effects of Variants on the X Chromosome. Professors Clarice Weinberg and Amy Herring.

The School of Education

ESTABLISHED 1885

Interim Dean Deborah Eaker-Rich

DOCTOR OF EDUCATION

Elizabeth Phelps Davidson, *Educational Leadership,* Impacts of Reduction-in-Force (RIF) on the Assistant Principalship in North Carolina Public Schools: A Repeated Measures Two-Way Anova Analysis. Professor Catherine Marshall.

Heather Lynn Seawell, *Educational Leadership,* Job Descriptions and the Recruitment of Female Assistant Principals. Professor Catherine Marshall.

GRADUATE DEGREES

December 2015 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Alden Charles Adrion, *Environmental Sciences and Engineering,* Improving PAH Biodegradation in Contaminated Soil by Adding Surfactant After Conventional Biological Treatment. Professor Michael Aitken.

Asad Ali Ahmad, *Biomedical Engineering,* Creation of an In-Vitro Generated Colonic Stem-Cell Niche Using Gradient-Generating Microdevices. Professor Nancy Allbritton.

Robert Aldredge, *Biology,* Examining the Causes and Consequences of Variation in Offspring Growth and Survival in an Altricial Bird. Professor Keith Sockman.

Maura Allaire, *Environmental Sciences and Engineering,* Adapting to Extreme Events: Household Response to Floods in Urban Areas. Professor Dale Whittington.

Erin Arizzi, *Communication Studies,* Modeling Professional Femininity Through U.S. Media Culture, 1963–2015. Professor Richard Cante.

Samantha Marie Attard, *Nutrition,* Changing Lifestyles in the Urbanizing Environment: How Urbanicity and Income Relate to Diet, Physical Activity and BMI Across Different Stages of Urbanization. Professor Penny Gordon-Larsen.

Julia Elizabeth Ault, *History,* Saving Nature in Socialism: East Germany's Official and Independent Environmentalism, 1968–1990. Professor Konrad Jarausch.

Zahra Shoaib Ayubi, *Religious Studies,* Gendered Morality: Masculinity, Marriage and Social Relations in Premodern Islamic Ethics. Professors Carl W. Ernst and Juliane Hammer.

Francesca Bargiacchi, *Pharmacology,* Molecular Dissection of Breast Luminal Transcription Networks. Professor H. Shelton Earp.

Stephanie Patricia Bellendir, *Genetics and Molecular Biology,* Genetic and Biochemical Characterization of Drosophila Gen During DNA Repair and Recombination. Professor Jeff Sekelsky.

Janet Berrios, *Neurobiology,* Maternal Ube3a is Required for Neurotypical Motivational Drive and GABA Co-Release. Professors Thomas Kash and Benjamin Philpot.

William Black, *Chemistry,* Development and Application of Microfluidic Capillary Electrophoresis-Electrospray Ionization Devices for the Analysis of Biological Samples. Professor J. Michael Ramsey.

Kira Bradford, *Chemistry,* Structure-Function Studies of the Initiation Response of Human Mismatch Repair Proteins to DNA Containing a Mismatch. Professors Dorothy Erie and Matthew Redinbo.

Paul Henry Brodish, *Public Policy,* Three Essays on Wealth and Income Inequality and Population Health in Global and Domestic Contexts. Professor Benjamin Meier.

Wei Cheng, *Computer Science,* Toward Robust Group-Wise eQTL Mapping via Integrating Multi-Domain Heterogeneous Data. Professor Wei Wang.

Byeongyeob Choi, *Biostatistics,* Statistical Contributions to Non-Experimental Studies. Professors Jason Fine and Maurice Brookhart.

Kate Elizabeth Coleman, *Genetics and Molecular Biology,* Coordination of Replication-Coupled Protein Destruction and Origin Licensing Control During Cell Cycle Transitions. Professor Jeanette Cook.

Kathleen Crosby, *English,* Geographies of the Mind: Narrative Spaces and Literary Landscapes in William Gilmore Simms's Antebellum Fiction. Professor Philip Gura.

Nikki Crowley, *Neurobiology,* Kappa Opioid Receptor Modulation of Neurotransmission in the Amygdala. Professor Thomas Kash.

Cara Ross Damiano, *Psychology,* Neural Mechanisms of Uncertainty Processing in Children with Autism Spectrum Disorders. Professor Gabriel Dichter.

Genna R. Durante, *Education (School Psychology),* Parent Interactive Behaviors and Language Development in Children with Autism Spectrum Disorder, Fragile X Syndrome and No Disability. Professor Rune Simeonsson.

Amanda Dye, *Environmental Sciences and Engineering,* Analysis of Two-Fluid-Phase Porous Medium Systems Using Microscale Experiments and Lattice Boltzmann Modeling. Professor Cass Miller.

Melissa Ellermann, *Microbiology and Immunology,* Iron and the Intestinal Microbiota in Inflammatory Bowel Diseases. Professor Ryan Sartor.

Hayley Henrikson Estrem, *Nursing,* Pediatric Feeding Problems: Concept Analysis and Family Management. Professor Suzanne Thoyre.

Brian Spence Evans, *Ecology,* The Ecology of Birds in the Urban Landscape: Avian Community Composition, Dispersal, and Survival Across the Rural-to-Urban Gradient in Washington, D.C. Professors Allen Hurlbert and Peter Marra.

Andrew D. Fant, *Pharmaceutical Sciences,* The Effect of Data Curation on the Accuracy of Quantitative Structure-Activity Relationship Models. Professor Alexander Tropsha.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Joey Ann Fink, *History,* The Many Norma Raes: Working-Class Women in the 1970s Campaign to Organize J.P. Stevens. Professor Jacquelyn Hall.

Adam David Friedman, *Pharmaceutical Sciences,* The Selection of Highly Stable Aptamer From A 2'-Fully Modified fGmH RNA Library. Professors Rihe Liu and Michael Jarstfer.

Chen-Ping Fu, *Computer Science,* Analysis of Admixed Animals Using Indirect Haplotype Information from Existing Technologies. Professor Leonard McMillan.

Michelle Mereana Gabriel, *Chemistry,* Imaging Ultrafast Dynamics in Nanomaterial Using Spatially Separated Pump-Probe Microscopy. Professor John Papanikolas.

Anne A. Galyean, *Environmental Sciences and Engineering,* Characterizing Silver Engineered Nanoparticles in a Natural Water: Analytical Considerations for Instrumental and Environmental Factors Using Asymmetric Flow Field Flow Fractionation. Professor Howard Weinberg.

Christopher Garrett, *Biochemistry and Biophysics,* Characterization of a Key Mycobacterium Tuberculosis Lipase, Lipy. Professor Saskia Neher.

Leanna Rae Gentry, *Pharmacology,* Targeting the Ras-Ral Effector Pathway for Cancer Treatment. Professors Channing Der and Adrienne Cox.

Brian Clemon Gibbs, *Cell and Developmental Biology,* PRICKLE1 Mutation Causes Planar Cell Polarity and Directional Cell Migration Defects Associated with Cardiac Outflow Tract Anomalies and Other Structural Birth Defects. Professor Cecilia Lo.

Louise Caroline Giffin, *Microbiology and Immunology,* Manipulation and Exploitation of the Host Cell by Kaposi's Sarcoma-Associated Herpesvirus. Professor Blossom Damania.

Emily Meedith Gillen, *Health Policy and Management,* Determinants and Effects of Plan Selection in the Non-Group Health Insurance Market. Professor Kristen Hassmiller Lich.

Erik J. Grell, *Carolina-Duke Joint Program in German Studies,* Liberal Affect and Literary Culture: The Politics of Feeling in Mid-19th-Century German Fiction. Professor Jonathan Hess.

Amanda Grigg, *Political Science,* A Feminist Analysis of Contemporary Women's Health: Bringing Marginalized Women to the Center. Professor Susan Bickford.

Syung Jin Han, *Business Administration,* Foreign Investors, Stock Price Informativeness, and Multinational Corporations. Professors Christian Lundblad and Chotibhak Jotikasthira.

Ariel D. Hanson, *Biomedical Engineering,* Strategies for Ex Vivo Models of Human Hepatopoiesis Demonstrating Zonation of Phenotypic Traits. Professor Lola Reid.

Carolyn Hardin, *Communication Studies,* Arbitrage: A Critique of the Political Economy of Finance. Professor Lawrence Grossberg.

Jared S. Heinly, *Computer Science,* Toward Efficient and Robust Large-Scale Structure-From-Motion Systems. Professors Jan-Michael Frahm and Enrique Dunn.

Derek John Holmgren, *History,* "Gateway to Freedom": The Friedland Refugee Transit Camp as Regulating Humanitarianism, 1945–1960. Professor Konrad Jarausch.

Jenna Bone Honeycutt, *Microbiology and Immunology,* Investigation of the Role of Myeloid and T Cells in Human Immunodeficiency Virus (HIV) Infection and Persistence In Vivo. Professor J. Victor Garcia-Martinez.

Carolyn Huang, *Public Policy,* Sub-Saharan African Social and Health Policies and the Poor: Three Essays Examining Impacts of Public Programs on Maternal Health Utilization, Children's Health, and Household Composition. Professor Sudhanshu Handa.

Joshua Matthew Jackson, *Chemistry,* Microfluidic Systems for Isolating and Analyzing Circulating Cancer Cells From the Peripheral Blood of Patients with Epithelial Cancers and Acute Myeloid Leukemia. Professor Steven Soper.

Tim Jacobs, *Bioinformatics and Computational Biology,* De Novo Proteins Designed From Evolutionary Principles. Professor Brian Kuhlman.

Stephen William Jones, *Cell and Developmental Biology,* Nanoparticle Clearance is Governed by Th1/Th2 Immunity and Strain Background. Professor James Bear.

Vincent Nicolas Joos, *Anthropology,* Urban Dwellings, Haitian Citizenships: Housing, Daily Life and Memory in Port-Au-Prince, Haiti. Professor Rudolf Colloredo-Mansfeld.

Jason Kahn, *Psychology,* The Effects of Fluency of Lexical and Phonological Retrieval Processing on Spoken Word Duration. Professor Jennifer Arnold.

Shane M. Khan, *Maternal and Child Health,* The Delivery of Post Natal Care and Its Association with Newborn Survival and Feeding: A Focus on Africa. Professor Ilene Speizer.

Mohammadhadi Kiapour, *Computer Science,* Large Scale Visual Recognition of Clothing, People and Styles. Professor Tamara Berg.

Sujeong Kim, *Computer Science,* Velocity-Space Reasoning for Interactive Simulation of Dynamic Crowd Behaviors. Professor Dinesh Manocha.

Kyle David Konze, *Pharmaceutical Sciences,* Chemical Probes for the Lysine Methyltransferases EZH2 and G9A: Design, Development and Application. Professors Jian Jin and Michael Jarstfer.

Vinal Vinodrai Lakhani, *Bioinformatics and Computational Biology,* Particle-Based Stochastic Reaction-Diffusion Models to Investigate Spatio-Temporal Dynamics in Cell Biology. Professor Timothy Elston.

Brittany Lehman, *History,* Teaching Migrant Children: Debates, Policies and Practices in West Germany and Europe, 1949–1992. Professors Karen Hageman and Konrad Jarausch.

Ruiwei Liang, *Dentistry (Oral Biology),* Effect of NF-κB Haploinsufficiency on Calvarial Bone Healing. Professor Lyndon Cooper.

Thiago Ghirello Lima, *Biology,* Local Adaptation and Reproductive Isolation in the Copepod Tigriopus Californicus. Professor Christopher Willett.

Minghui Liu, *Statistics and Operations Research,* Elementary Reformulation and Succinct Certificates in Conic Linear Programming. Professor Gabor Pataki.

Xin Liu, *Romance Languages and Literatures,* Italian Literary and Cinematic Representations of China and the Chinese (1949–2011). Professor Federico Luisetti.

Yiyi Liu, *Economics,* Build-Operate-Transfer: A Concrete Study of Public-Private Partnerships. Professor Gary Biglaiser.

Jacqueline Marie MacMullin, *Physics,* Validation of the Background Model for the Majorana Demonstrator. Professor John Wilkerson.

Kimberly Elizabeth Maxfield, *Pharmacology,* Genetic Dissection of Therapeutic Intervention Targets in Triple Negative Breast Cancer. Professor Angelique Whitehurst.

Melanie McCabe, *Education (School Psychology),* Sickle Cell Disease, Education and Later Life Outcomes. Professors Rune Simeonsson and Christopher Edwards.

Qi Mo, *Computer Science,* Efficient Light and Sound Propagation in Refractive Media with Analytic Ray Curve Tracer. Professor Dinesh Manocha.

Jabulani Ncayiyana, *Epidemiology,* Latent Tuberculosis Infection Prevalence, Spatial Clustering and Risk Factors in a South African Urban Informal Settlement. Professor Annelies van Rie.

Christine Paprocki, *Psychology,* Relationship-Based Anxiety: Using a Cognitive-Behavioral Perspective to Develop and Evaluate a Couple's Intervention. Professor Donald Baucom.

Kevin Alan Park, *City and Regional Planning,* Mortgage Insurance in the Great Recession. Professor Roberto Quercia.

Patsy Polston, *Environmental Sciences and Engineering,* Development and Evaluation of Candidate Microbial Source Tracking Markers To Use Following Land Applications of Biosolids. Professor Jill Stewart.

Marc Potempa, *Microbiology and Immunology,* Mechanisms Regulating HIV-1 Protease Activity. Professor Ronald Swanstrom.

John David Roche, *History,* "[America] May Be Conquered with More Ease Than Governed": The Evolution of British Occupation Policy During the American Revolution. Professor Wayne Lee.

Pourab Roy, *Biostatistics,* Non-Parametric and Semi-Parametric Estimation in Forward and Backward Recurrence Time Data. Professors Michael Kosorok and Jason Fine.

Carrie Rubel, *Pharmacology,* Defining the Molecular Mechanisms of Ubiquitin Proteasome System Dysfunction as a Driver of Disease: CHIP Mutation in SCAR16. Professor Gary Johnson.

Pratyaydipta Rudra, *Biostatistics,* Statistical Tools for General Association Testing and Control of False Discoveries in Group Testing. Professor Fred Wright.

Monica L. Schmidt, *Health Policy and Management,* Design and Validation of Two Predictive Models for Mortality and Readmission Following Surgery in Patients with Liver Cirrhosis. Professor Morris Weinberger.

Anthony M. Sease, *City and Regional Planning,* Lenses of Practice: Disciplinary Terrains and the Shaping of Tobacco Road. Professor Daniel Rodriguez.

Sara Selitsky, *Bioinformatics and Computational Biology,* Small RNA Transcriptomic Analysis During Chronic Viral Hepatitis and Cancer. Professors Praveen Sethupathy and Stanley Lemon.

Robert Jacks Sharpe, *Chemistry,* On the Merits of Stereoselective Desymmetrization Reactions in the Assembly of Complex Natural Molecules: The Total Synthesis of Pactamycin and Paspaline. Professor Jeffrey Johnson.

Siddharth Kaup Shenoy, *Biomedical Engineering,* Engineering Systems to Study the Mechanics of Cilia- and Airflow-Mediated Mucus Clearance. Professors Brian Button and Robert Dennis.

Courtney Aimee Short, *History,* "The Most Vital Question": Race and Identity in Occupation Policy Construction and Practice, Okinawa, 1945–1946. Professor Joseph Glatthaar.

Raquel Azevedo Silva, *Environmental Sciences and Engineering,* Climate Change, Air Quality and Human Health: Quantifying the Global Mortality Impacts of Present and Future Ozone and PM2.5 Ambient Air Pollution. Professor J. West.

Emily Rose Smith, *Epidemiology,* Point-of-Care HIV Testing for Early Infant Diagnosis During the Postpartum Period: Timing and Type of Test Matters. Professor Annelies Van Rie.

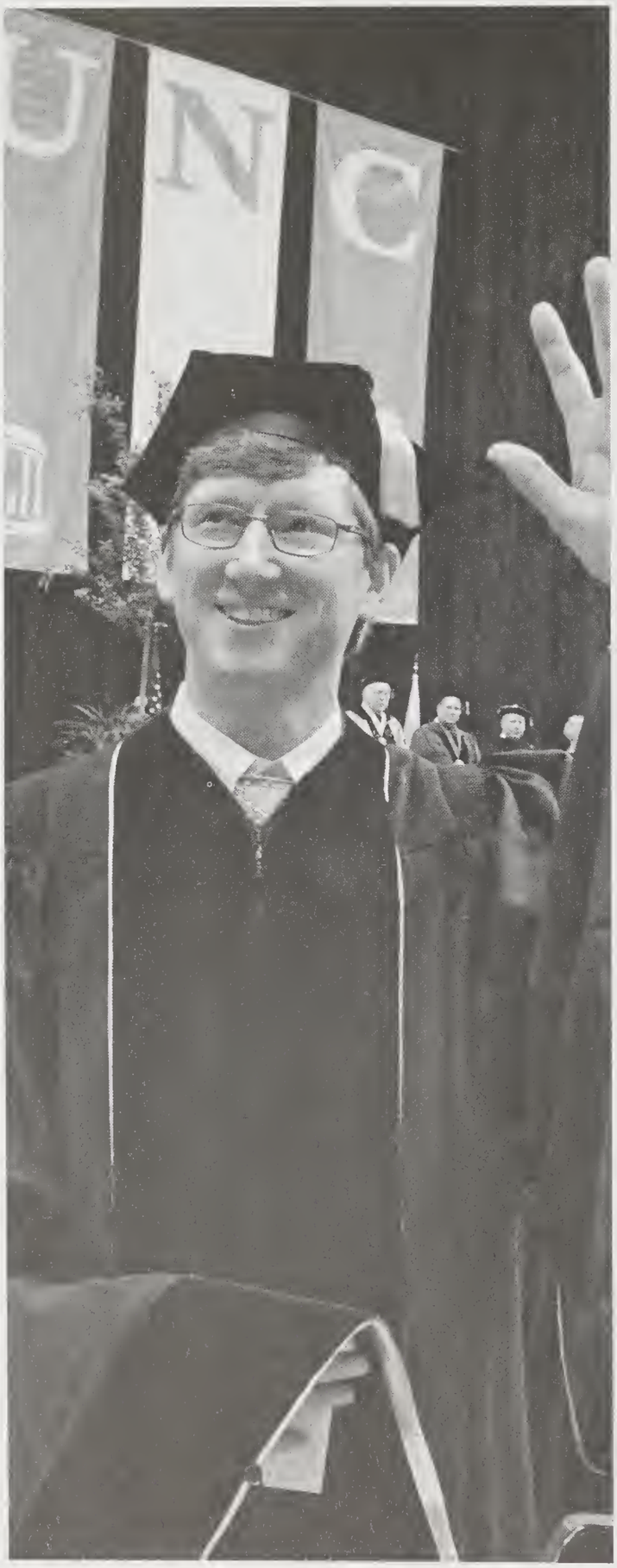
Daniel Soques, *Economics,* Regime-Switching Models of the Business Cycle. Professor Neville Francis.

Ampai Soros, *Environmental Sciences and Engineering,* Chitosan Coagulation for Household Water Treatment in Developing Countries. Professors Mark Sobsey and Lisa Casanova.

Sandra Elizabeth Spencer, *Chemistry,* Development of an Aerosol Mass Spectrometry System for the Analysis of the Composition of Aerosol Particles in Real Time. Professor Gary Glish.

Anna Christine Stagg, *Education (School Psychology),* The Role of Parent and Peer Attachment in the Relationship Between Abuse History and Adolescent Social and Behavioral Outcomes. Professor Rune Simeonsson.

Paul Joseph Stapleton, *Comparative Literature,* The Cross in Elizabethan England: An Image in an Age of Iconoclasm. Professor Jessica Wolfe.



Nikolas Stasulli, *Microbiology and Immunology,* Identification of Host and Bacterial Factors That Contribute to Lung Lesion Structure During Pneumonic Plague. Professor William Goldman.

Dalia Stern, *Nutrition,* Is Shopping at Certain Types of Stores Associated with the Nutrient Profile of Packaged Foods Purchased by U.S. Households? Professor Barry Popkin.

Joseph Christian Straubhaar-Jones, *German Studies,* Understanding the Visuality of a Medieval Visionary: Fourteenth-Century Dominican Henry Suso's Interwoven Concepts of Divine Image, Gendered Identity and Epistemology. Professor Ann Marie Rasmussen.

Sarah Thacker, *Pharmaceutical Sciences,* Characterization and Application of Highly Specific 2'-F RNA Aptamers Targeting a Potentially Novel Pancreatic Ductal Adenocarcinoma (PDAC) Biomarker(s). Professors Rihe Liu and Mike Jarstfer.

James William Treadway, *Chemistry,* Synthesis and Chromatographic Evaluation of Superficially Porous Particles for Ultrahigh Pressure Liquid Chromatography. Professor James Jorgenson.

Nicholas Peter Vitko, *Microbiology and Immunology,* Metabolic Adaptation of Staphylococcus Aureus to Low-Respiratory Conditions Encountered During Invasive Infection. Professor Anthony Richardson.

Scott Khoi Vu, *Biomedical Engineering,* A New Biophysical Model for Translation Elongation to Predict and Optimize Heterologous Protein Production in *Escherichia coli.* Professors Donald L. Bitzer and David S. Lalush.

Zhe Wang, *Business Administration,* Models for Retail Inventory Management with Demand Learning. Professor Adam Mersereau.

Kelly Ann Watson, *Cell and Developmental Biology,* Molecular Mechanism of the Interaction Between LGL/TOMOSYN Homolog, SRO7 and the RAB GTPASE SEC4 in Polarized Exocytosis. Professor Patrick Brennwald.

Holly Wei, *Nursing,* The Experiences and Care Needs of Parents Whose Children Are Born with Congenital Heart Disease. Professors Cecelia Roscigno and Kristen Swanson.

Matthew Weiser, *Bioinformatics and Computational Biology,* Probing the Architecture of Complex Traits: Functional Genomics Methods and Applications. Professor Fernando Pardo-Manuel De Villena.

Kelly Michelle Wentland, *Business Administration,* The Effect of Industrial Diversification on Firm Taxes. Professor Edward Maydew.

Alexandra J. White, *Epidemiology,* Multiple Sources of PAH Exposure, DNA Methylation and Breast Cancer. Professor Marilie Gammon.

Rebecca Jane Worsham, *Classics,* Discontinuous Settlement Structures and Social Organization in Late Early Helladic and Middle Helladic Greece. Professor Donald Haggis.

Joshua David Yablonski, *Chemistry,* Design, Fabrication and Characterization of Organic Electronic Devices for Thermoelectric Applications. Professor Wei You.

Xin Zhou, *Biostatistics,* Machine Learning Techniques for Optimal Treatment Regimes. Professor Michael Kosorok.

Benjamin Ziehr, *Microbiology and Immunology,* Translation Regulation During HCMV Infection. Professors Nathaniel Moorman and Mark Heise.

DOCTOR OF NURSING PRACTICE

Megan Ann Brissie, *Nursing,* Refining, Implementing and Evaluating a Neuro Early Mobilization Protocol in the Neuroscience Intensive Care Unit. Professor Meg Zomorodi.

Erin Flitt, Nursing, Creating and Evaluating a Toolkit for Shared Medical Appointments for Hypertension Management in a Jail Setting. Professor Debra Barksdale.

Nancy Lawson Loyack, Nursing, Expectations of Recovery after Lumbar Spine Surgery: A Quality Improvement Project to Improve Patient Satisfaction. Professor Debra Barksdale.

DOCTOR OF PUBLIC HEALTH

Eric J. B. Daza, *Biostatistics,* Longitudinal Regression Conditioning on Continuation. Professors Michael Hudgens and Amy Herring.

Jacqueline Au McPherson, *Health Policy and Management,* Healthcare Waste Management for Hospitals in Resource-Constrained Settings: What Determines Effective Implementation? Professor John Paul.

Angela Odiachi, *Health Policy and Management,* The Impact of Disclosure on Health Outcomes in HIV-Infected Nigerian Children. Professor Harsha Thirumurthy.

Amy Weissman, *Health Policy and Management,* Overcoming the Identified Sociopolitical Barriers to a National Nutrition Response in Cambodia. Professor Suzanne Babich.

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during today's Doctoral Hooding ceremony.

DEGREE CANDIDATES' REGALIA. The hooded doctoral gown features three bars across each sleeve. The doctoral gown for Carolina graduates is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning. The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina. Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study.

The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Tiffany Bailey
Bridget Baucom
Angelyn (Angie) S. Bitting
Simon John Bloor
Andrew Brennen
Jennifer Burkhart
Bruce Cairns
Christopher Derickson
Debbie Dibbert
Douglas S. Dibbert
Robbi Pickeral Evans
Joseph S. Ferrell
Jeffrey W. Fuchs
Austin Gold
Jim Gregory
Deborah L. Hawkins
Steffi Kinton
Jacob Kornegay
Leslie S. Lerea
Ying Lin
H. Brent McKnight Jr.
Karen Moon
Mark Moon
Cecelia Moore
Laura Hayes Morgan
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Terry Ellen Rhodes
G. Dylan Russell
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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

The University *of* North Carolina *at* Chapel Hill

2016 Commencement

SUNDAY, MAY EIGHTH, TWO THOUSAND SIXTEEN

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

2016
COMMENCEMENT

Sunday, May Eighth • Two Thousand Sixteen

MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel graduation. Each of you has accomplished so much in your years at Carolina, and nothing could be finer than to celebrate your commencement today in Chapel Hill.

Family members and friends, thank you for sharing your student with us. You have played an instrumental role in shaping the individuals we celebrate today, and we also celebrate the incredible support and encouragement you have provided over these years.

Students, today we celebrate your success, and your future. Your time at Carolina has prepared you for many adventures ahead. We hope, as you move on to the next phase of your lives, you will remember your legacy as a Tar Heel.

This legacy started with Carolina's founders, who stood under a poplar tree and created the model for public higher education in our nation. That legacy has continued to strengthen with each generation. The people of Carolina are people of courage and character – people emboldened to lead, to build and serve their communities, to push for advancements across the realm of human endeavors and to open minds to a world of greater possibility.

Your journey may take you away from Chapel Hill, but I hope that the personal connections you made here will be a lasting part of your life. Carolina has been your home for a few short years, but you will always be part of the Carolina family.

Congratulations, graduates! Welcome to the ranks of alumni of the University of North Carolina at Chapel Hill.

Carol L. Folt

CAROL L. FOLT

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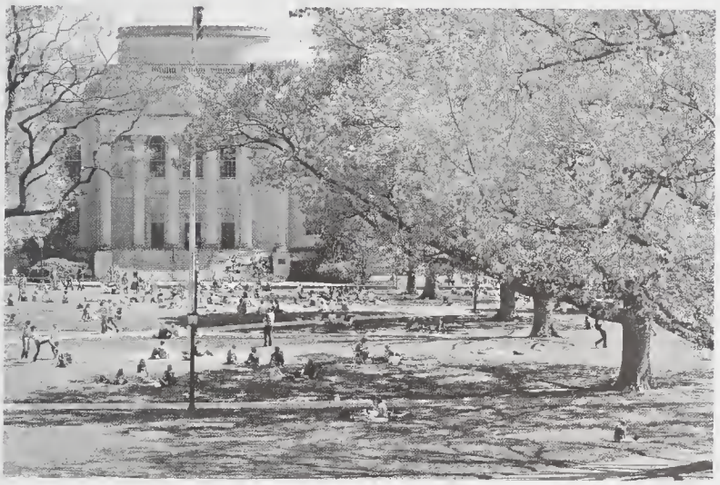
84 Commencement Committee

ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.



HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

The Commencement ceremony will be captioned on the video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Diplomas for undergraduate, master of science and master of arts degrees will be printed after Commencement and mailed to graduates. Graduates with professional, doctoral and master's degrees that contain an area of study in the degree, such as Master of Accounting, may receive their diplomas in a special departmental or school ceremony. Or they may pick up a diploma from the Office of the Registrar in the Student and Academic Services Building North from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Registrar's Office through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Terry Rhodes, *Professor and Senior Associate Dean for Fine Arts and Humanities* Class of 2017 Officers The Chancellor's Cabinet Representatives of the Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health The Candidates for Master's and Professional Degrees The Candidates for Baccalaureate Degrees Fiftieth Reunion Participants The Official Party STUDENT MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
Presentation of the Colors	Members of the Air Force Reserve Officers Training Corps, *The University of North Carolina at Chapel Hill*
National Anthem	Mark Storey, *Kenan Music Scholar, Bachelor of Music*
Recognition of the Platform Party	Carol L. Folt, *Chancellor*
Welcome	For the Board of Governors of The University of North Carolina Ann Maxwell *Presentation of the UNC Board of Governors' Award for Excellence in Teaching*— Michael Crimmins, *Mary Ann Smith Professor, Department of Chemistry* For the Board of Trustees of The University of North Carolina at Chapel Hill Haywood D. Cochrane, *Vice Chair* For the General Alumni Association Dan Myers, *Chair of the Board of Directors*
Readings of Citations for Honorary Degrees	Joseph S. Ferrell, *Professor of Public Law and Secretary of the Faculty*
Commencement Address	Anne-Marie Slaughter, *President and CEO, New America; Bert G. Kerstetter '66 University Professor Emerita of Politics and International Affairs, Princeton University*
Introduction of the Deans and Conferring of Degrees	Carol L. Folt, *Chancellor*
Ceremonial Recognition of the Graduates	Ying Lin, *President of the Class of 2016* Harold Brent McKnight, *Vice President of the Class of 2016*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Carolina In My Mind	The Clef Hangers
Hark the Sound	Harmonyx
Recessional	

CAROL L. FOLT

Chancellor

When Carol L. Folt was installed as Carolina's 11th chancellor and first woman leader in October 2013, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt – an internationally recognized scientist, award-winning teacher and accomplished administrator – has worked to fulfill that charge by championing Carolina as a great global public research university. Her priorities have included preserving and expanding the University's academic excellence, access and affordability, and deep commitment to North Carolina.

Under Folt's leadership, the University received nearly 36,000 applications for the Class of 2020, breaking the previous record for the 11th consecutive year. Carolina ranks among the nation's top 10 universities in research dollar volume, and has become increasingly focused on innovation and entrepreneurship.

One of Folt's top priorities is improving undergraduate retention rates – particularly for low-income, first-generation and underrepresented students – while maintaining Carolina's historic commitment to affordability and accessibility. Declaring that "Carolina can indeed be the leader in shaping the path for the great public university in America," Folt leads the University in the national dialogue about higher education, has taken a strong position on protecting students from sexual assault, and initiated conversations about difficult topics.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013 and a faculty member. An Akron, Ohio, native, Folt holds a bachelor's degree in aquatic biology and a master's degree in biology from the University of California at Santa Barbara. She received her doctorate in ecology from the University of California at Davis. Folt is married to David Peart, a professor of biological sciences at Dartmouth, and they have two adult children, Tessa and Noah.

Accomplishments

- Created the position of vice chancellor for commercialization and economic development to translate more world-class ideas into real-world applications.
- Updated the policy on sexual violence through extensive cross-campus collaboration and represented Carolina on unprecedented panels on sexual assault at the White House, the University of Virginia and UC Berkeley.
- Launched a first-of-its-kind public-private partnership with GSK, creating a research center on campus and a jointly owned company, Qura Therapeutics, dedicated to discovering a cure for HIV/AIDS.
- Surpassed all previous fundraising records garnering nearly $447 million in commitments – an achievement that includes the $100 million commitment from pharmaceutical entrepreneur Fred Eshelman to the pharmacy school for the new Eshelman Institute for Innovation.
- Championed a new joint biomedical engineering bachelor of science degree with N.C. State University for a department considered an exemplar of de-siloing in U.S. higher education.
- Invested in a $3 million, 10-year, no-interest loan to help stabilize the Northside neighborhood in Chapel Hill.

Follow @ChancellorFolt on Twitter

Officers of the Class of 2016

Ying Lin, *President*
Harold Brent McKnight Jr., *Vice President*
Jacob Allen Baldwin, *Chief Marshal*
Steffi Kinton '05, *Advisor*
Hunter Barrett '11, *Annual Giving Liaison*

Officers of the Class of 2017

Elizabeth Sarah Grady, *President*
James Richardson Burris, *Vice President*
Alexandra Key Polk, *Chief Marshal*
Steffi Kinton '05, *Advisor*
Hunter Barrett '11, *Annual Giving Liaison*

Marshals of the Class of 2016

Mariah Paige Barksdale
William Dale Bass
Kayla Anne Blevins
Mary Page Boyd
Brandon Russell Chase
Phillip Andrew Cox
Sarah Elizabeth Crownshaw
Hayley Patricia Dane
Alysa Marie Delgado
Robert Wesley Edmiston
Treyaun Quantez Fulton
Laura Raquel Gamo
Lindsay Paige Gorman
Samuel Brooke Henderson
Morgan Lynn Herman
Austin James Jackson
Elizabeth Graham Jones
Syma Iqbal Lakhani
Caroline Marie Martin
Jeremy Alexander McKellar
Randolph Lee McKinnie
Da'Vianna Chéntal Nelson
Brianna Dawn Norris
Simon Walker Porter
Marrisa Alexandria Rose
Andre Levere Rowe Jr.
Megan Nicole Stanley
Julia Diane Stroup
Rashmitha Vasa
Conor Addison Winters

Marshals of the Class of 2017

Ranjitha Ananthan
Winston Arthur Bell
Amoya Christa'-ellen Bennett
Maribeth Blonchek
Townes Bouchard-Dean
Shavonne Renee Breeden
Aitza Briauna Burgess
Vanessa Canuto
Mary Kinsman (MacKinsey) Cole
Cameron Skylar Congleton
Phylicia Jasmin Currence
James Herbert Domenic Davis
Pooja Jitendra Deva
Daniel Marcelo Farfan
Abigail Patience Gay
Genet Fana Girmay
Connor Kyle Goggin
Megan Elisabeth Hardy
Elizabeth M. Harvell
Chloe Alistair Karlovich
Adrienne Marlo Kronovet
Elizabeth Lane
Michael Abraham Lewis
Sydney Rowan Mark
Allison Jesse Martin
Robert Cole McCauley
Tamera Ja'quel McLeod
Anne-Marie Mills
May Elizabeth Montague
Emily Robertson Morton
Treesa Ouseph
Abigail Spencer Parlier
Alexander Pritts
Grant Alexander Purcell
Madeline Brooke Reich
Caitlin Anne Rose
Katherine Ellis Ross
Shiva Michael Sethi
Aditya Umang Shah
Robert Tennyson Stewart
Mishana Jalissa Sturdivant
Sunshine Cristini Tsosie
Jason Urbano
Saisanjana Vattigunta

Graduate and Professional Student Federation Officers, 2016

G. Dylan Russell, *President*
Taylor Livingston, *Vice President for Internal Affairs*
Anel Jaramillo, *Vice President for External Affairs*
Marissa Cann, *Chief of Staff*
Autumn McClellan, *Treasurer*
Kyle Reeves, *Secretary*

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Charlotte, N.C.

Hari H. Nath
Cary, N.C.

Bradley Opere
EX-OFFICIO
Chapel Hill, N.C.

The Commencement Speaker & Honorary Degree Recipient

ANNE-MARIE SLAUGHTER

DOCTOR OF HUMANE LETTERS

Anne-Marie Slaughter is currently the president and CEO of New America, a think tank and civic enterprise with hubs in Washington, New York and California. She is also the Bert G. Kerstetter '66 University Professor Emerita of Politics and International Affairs at Princeton University and a former president of the American Society of International Law. From 2009 to 2011 she served as director of policy planning for the United States Department of State, the first woman to hold that position. At the State Department she was the chief architect of the Quadrennial Diplomacy and Development Review, an initiative that provided a blueprint for elevating development as a pillar of American foreign policy and for leading through civilian power. That work earned her the department's highest honor, the secretary's Distinguished Service Award.

Since leaving the State Department, Slaughter remains a frequent commentator on foreign policy issues through op-eds in major newspapers, regular appearances on national and international broadcasting outlets, and lectures. Before entering government service, Slaughter held faculty positions at the University of Chicago Law School, Harvard Law School and Princeton University. At Princeton she was dean of the Woodrow Wilson School of Public and International Affairs (2002–2009). During her tenure as dean, Slaughter was credited with vigorously building the school's faculty, research and teaching activities.

Her scholarship focuses on integrating the study of international relations and international law. She has written or edited six books and more than 100 scholarly articles. She was the convener and academic co-chair of the Princeton Project on National Security. In 2012 she published the article "Why Women Still Can't Have It All" in The Atlantic. This quickly became the most-read article in the history of the magazine. Foreign Policy magazine named her to their annual list of the Top 100 Global Thinkers for four successive years (2009–2012). Slaughter received a B.A. magna cum laude from Princeton, an M.Phil in International Affairs and a D. Phil in International Relations from Oxford, and a J.D. cum laude from Harvard. Her honors include the University of Virginia's Thomas Jefferson Medal (2007) and honorary degrees from the University of Miami (2006), the University of Warwick (2013), Tufts University (2014), and Royal Holloway College at the University of London (2015).

Honorary Degree Recipient

SANDRA CISNEROS

DOCTOR OF LETTERS

Sandra Cisneros is a writer whose exuberant prose and spirited activism have made her one of literature's best-loved figures. Among the first Latinas ever published by a major house, she has tackled subjects such as race, class, border-crossing and feminism with empathy and a language that is unique in American letters. Her debut novel, "The House on Mango Street," sold more than six million copies, was translated into more than 20 languages, and has become required reading in high schools and colleges across the United States.

Subsequent endeavors and acclaim elevated Cisneros into a cultural icon. She has published in every genre, including the poetry collections "My Wicked, Wicked Ways" (1987) and "Loose Woman" (1994); the 1991 short story collection "Woman Hollering Creek"; the 1994 dual-language children's book "Hairs/Pelitos"; the 2002 novel "Caramelo"; and the 2012 picture book for adults "Have You Seen Marie?" Library Journal deemed her latest book, "A House of My Own," the best memoir of 2015.

Although storytelling is her chief pursuit, Cisneros doesn't just nurture the artist within. Soon after the MacArthur Foundation awarded her a Genius Grant in 1995, she established the Macondo Foundation, which champions writers around the world who share her commitment to social justice. In addition to holding workshops and readings, the Macondo also offers financial support for artists "in need of time to heal their body, heart or spirit." She also organized her fellow Latina-Latino "MacArturos" into an ongoing group of doers who meet regularly to inspire communities in need.

Cisneros' honors include an Anisfield-Wolf Book Award, a Lannan Foundation Literary Award, an American Book Award, two National Endowment for the Arts fellowships and a Texas Medal for the Arts. When she won UNC's prestigious Thomas Wolfe Prize in 2014, more than 600 readers gathered from across the Triangle for her keynote address.

Photo copyright Alan Goldfarb

Honorary Degree Recipient

PAUL FULTON JR.

DOCTOR OF LAWS

Paul Fulton is a successful business CEO, business school dean and community leader. He is presently the chair emeritus of Bassett Furniture Industries Inc. and is its former chair and CEO. He spent most of his career with Hanes Corporation and Sara Lee Corporation. He graduated from UNC in 1957, with a bachelor's degree in business administration.

Fulton served as dean of Carolina's Kenan-Flagler Business School from 1993 to 1997. He is credited with expanding the school's base of recruiters from major companies, recruiting faculty from other prestigious business schools, developing a strong relationship with the state's business interests, and establishing a strong financial model consisting of private giving, executive education, competitive tuition and state support. Also under his leadership, alumni giving doubled to $3.5 million and participation doubled to 27 percent. The 190,000 square foot McColl building was built under Fulton's deanship, and the Rizzo Center was planned during his tenure.

Fulton co-chaired the University's Carolina First Campaign, which exceeded its $2 billion goal by almost $300 million. He has served on the University's Board of Trustees and the University of North Carolina Board of Governors, and founded the Citizens for Higher Education to promote education in North Carolina. Until June 1993, he served as a member of the Winston-Salem State University Board of Trustees and was national chair for their $25 Million Centennial Campaign.

Fulton has been an active member in the University community, serving on the board of the Medical Foundation, as a member of the Kenan-Flagler Board of Visitors, and as a Kenan Institute Trustee. He is a member of the board of Old Salem, Inc. and is currently co-chair of Higher Education Works. He was also campaign chair of the 1984 United Way of Forsyth County Campaign and founding chair of the local Tocqueville Society in 1987.

Fulton's honors include the Kenan-Flagler Alumni Award (2007), the UNC General Alumni Association's Distinguished Service Medal (1997), the William Richardson Davie Award (1998) bestowed by the UNC Board of Trustees and the Alexis de Tocqueville Award (1988) presented by the United Way of Winston-Salem and Forsyth County to recognize outstanding volunteer leadership in the community.

Honorary Degree Recipient

NELL IRVIN PAINTER

DOCTOR OF HUMANE LETTERS

Nell Irvin Painter is a pioneering historian, author, painter and visual artist. She grew up in Oakland, Ca., as the child of a scientist and an educator who encouraged and supported their academically gifted daughter and gave her the lifelong confidence to create and seize opportunities. After a Bachelor of Arts from the University of California at Berkeley, a junior year in France, two years in Ghana, and a master's from the University of California at Los Angeles, Painter completed a doctorate in history at Harvard University and joined the faculty at the University of Pennsylvania. As a member of the original class of fellows at the National Humanities Center in the Research Triangle, Painter came to the South, a region that figures prominently in her understanding of American history. She remained in the South for eight additional years as a faculty member at the University of North Carolina at Chapel Hill before joining the faculty at Princeton University.

Elected a Fellow of the American Academy of Arts and Sciences, Painter is admired for the range of her mastery of the diverse factors that contribute to understanding American history, from her early description based on personal interviews of an elderly African American who had embraced the tenets of Communism, to her life of Sojourner Truth based on the scantiest documentary record, to her interpretation of the sweep of African American history from Jamestown to the present, and a history of the construction of American whiteness. Her eight books and many articles incorporate perspectives from social, labor and intellectual history as well as women's history and feminist theory. Painter's eminence as a historian is attested by the offices to which her peers have elected her, including the national directorship of the Association of Black Women Historians and the presidency of the Organization of American Historians and the Southern Historical Association.

On her retirement from Princeton as the Edwards Professor of American History, Painter directed her energy and creativity to an entirely different career. She earned a Bachelor of Fine Arts in painting from Rutgers and then a Master of Fine Arts from Rhode Island School of Design. Her art fuses manual and digital forms in historically infused collages and designs, demonstrating the relevance of multiple disciplines working together. Currently Painter is a thriving artist – teaching, exhibiting her art, lecturing and carrying out her role as one of the nation's leading public intellectuals.

Photo copyright Jay Seldin

Honorary Degree Recipient

SISTER HELEN PREJEAN, CSJ

DOCTOR OF DIVINITY

Sister Helen Prejean, a leading voice for ending the death penalty in our country and beyond, has spent her adult life as a Roman Catholic nun in the Congregation of St. Joseph. At first, she was a classic schoolteacher nun in southern Louisiana. Then, in the early 1980s, her life took a dramatic turn as she moved into the St. Thomas public housing project in New Orleans. She brought compassion and social services to residents of a place defined by poverty, addiction, gun violence and despair. The housing project has since been demolished. While there, she became the pen pal and later spiritual director of a convicted murderer sentenced to death. In 1994, she narrated and reflected on her experiences in "Dead Man Walking: An Eye Witness Account of the Death Penalty." A bestseller, it was immediately translated into 10 languages and within two years was turned into a major motion picture.

When Sister Helen found that the flaws embedded in the death penalty system inevitably led to the execution of innocent people, she wrote "The Death of Innocents: An Eyewitness Account of Wrongful Execution" (2004), which described the injustices of the entire system of capital punishment. "Death of Innocents" was the Carolina Summer Reading selection for 2007 and brought Sister Helen to campus to lecture and interact with students. She has changed the conversation about the death penalty not only in the United States but globally, not only among individuals and governmental officials but among religious leaders of many persuasions. She was instrumental in helping to shape the Roman Catholic Church's recent opposition to execution by the state, now incorporated into the official Catechism and advocated by the papacy.

Since 1984, Sister Helen has divided her time between educating the world about the moral and societal implications of capital punishment and counseling death row prisoners. She considers herself a storyteller in the American southern tradition and has traveled the world putting into words and images for those who often have no other public voice the stories of men, women and families profoundly affected by the criminal justice system.

Photo copyright Scott Langley

FOR CAROLINA'S NEWEST ALUMNI

The UNC General Alumni Association is eager to help the class of 2016 make a successful transition from student to alumna/us. We'll keep Carolina connections strong by introducing our newest graduates to our vast network of supportive alumni. We also provide communications, programs and services to keep you informed and involved.

ALUMNI RECORDS
Don't miss out on special invitations and services. Keep your record updated.

ALUMNI CAREER SERVICES
The GAA's Alumni Career Services will help you navigate employment options and opportunities throughout your career. Whether you already have a job, are heading to graduate school or are still looking for your next step, we can help.

EVENTS WITH TAR HEELS
No matter where you roam, there will likely be others in your midst who attended Carolina. The GAA will help with those introductions – don't miss out.

SOCIAL MEDIA
Jump start your alumni life – join the GAA's groups on Facebook, LinkedIn, Twitter and Instagram.

TRUSTED SOURCE
Information is everywhere, but you can count on the GAA's young alumni e-newsletter The Quad and the Carolina Alumni Review to bring you home again with every issue.

Special membership rates are available to new grads. Save $50 on life membership — $32.25/month for 24 months. New grad auto-renewing annual membership is only $25/year for the first three years.

For more information on how the GAA serves new graduates, stop by the George Watts Hill Alumni Center after Commencement until 2 p.m., call Katie Thore '15 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus wide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to Carolina are included as participation in the Senior Campaign and the Office of University Development's annual giving totals. Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit giving.unc.edu/youngalumni.

CLASS OF 1966 CELEBRATES GOLDEN ANNIVERSARY

As part of their 50th class reunion, representatives from Carolina's Class of 1966 will join the academic processional at Commencement. Watch for these most recent inductees into the General Alumni Association's Old Students Club, who will be adorned in Carolina blue gowns and wearing medallions commemorating their golden anniversary reunion.

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Child Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Media and Journalism
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Public Health Leadership
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Ecology; Education; Educational Innovation, Technology and Entrepreneurship; English; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Physical Therapy
Master of Professional Science in the discipline of:
Biomedical and Health Informatics; Toxicology
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; Clinical Rehabilitation and Mental Health Counseling; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and

Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neurobiology; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Science in Recreation Administration
Master of Social Work
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biological and Biomedical Sciences; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Comparative Literature; Computer Science; Ecology; Economics; Education; English; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neurobiology; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES
Doctor of Audiology
Doctor of Dental Surgery
Doctor of Medicine
Doctor of Nursing Practice
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

WEST FRANKLIN STREET
EAST FRANKLIN STREET
University Square
COLONY CT.
FRATERNITY CT.
NORTH COLUMBIA ST
SOUTH COLUMBIA STREET
BASHFORD LANE
CAMERON COURT
KENAN STREET
MALLETTE STREET
WEST CAMERON AVENUE
EAST CAMERON AVENUE
McCauley Place
McCauley Street
RAMSON STREET
PITTSBORO STREET
VANCE STREET
UNIVERSITY DR.
DAUER DR.
Bank of America Plaza
Sundial
Visitors' Center
Morehead Planetarium
McCorkle Place
Coker Arboretum
Davie Hall
Polk Place
Carolina
Davis Library
Wilson Library
Kenan Stadium
Kenan Football Center
Loudermilk Center for Excellence
Bell Tower
Stone Cultural Center
Bell Tower Parking Lot
Student Stores
Frank Porter Graham Student Union
The Pit
Upper Quad
Lower Quad
Cobb Parking Deck
Cobb Place
Forest Theatre
Hooker Fields
Carmichael Arena
Woollen
Fetzer Gymnasium
Fetzer Grandstands
Beck Track & Fetzer Field
Eddie Smith Field House
Navy Field
Ehringhaus Field
Bryson Field
Knapp-Sanders
Memorial Grove
Horace Williams House
Park Place Lot
Brooks Hall
Alderman
Hooper Lane
Senlac Road
Boundary Street
Battle Lane
Raleigh Street
Ridge Road
Stadium Drive
Paul Green Theater Drive
Country Club Road
Glamoor Drive
Gimghoul
Raleigh Road
to N.C. 54 and Friday Center
Hwy.
Ehringhaus Dr.
Skipper Bowles Drive
Manning Drive
Hinton James Dr.
Williamson Drive
Kenan Center Drive
Mason Farm Road
Purefoy Road
Whitehead Circle
Otteys Road
Baity Hill Drive
Baity Hill Student Family Housing
Dean E. Smith Student Activities Center
Kenan Memorial
Coker Pinetum and Meeting at the Waters Creek
Outdoor Education Center
Pine Lane
Buttons Lane
Laurel Hill Road
Fern Lane
Iris Lane
to N.C. Botanical Garden
US 15-501 / NC 54 BYPASS
Fordham Blvd.
Morgan
Mill
US 501 to Pittsboro
West Drive
Mason Farm Road
Dental Circle
UNC Hospitals
Hospital Drive
Emergency Room Drive
Manning Drive
New East Drive
Bernard St.
Mibbard Drive
William Blythe Drive
Brandon Street
Student Family Housing
Odum Village
Craige Parking Deck
Ram Village at Paul Hardin Dr
Ram Village at Williamson Dr
Student Academic Services
Public Safety
Water Tower
Manning Steam Plant
Manning Sub Station
Kenan Center
Educational Development Parking Deck
Ram Village at Paul Hardin Dr
Ram Village at Williamson Dr
Ehringhaus
Horton
Hinton James
Craige North
Craige
Morrison
Hardin
Ehringhaus Residence Hall
Baity Hill Student Family Housing
Aycock Family Medicine
Bldg. 1
Bldg. 5
N

DEPARTMENTAL *and* SCHOOL COMMENCEMENT EVENTS

SUNDAY AFTERNOON, MAY 8

SCHOOL OR DEPARTMENT	TIME	PLACE	MAP LOCATION
Allied Health Sciences, Clinical Laboratory Sciences	1:00 p.m.	Wilson Library, Pleasants Family Room	H-6
Archaeology and Anthropology	1:00 p.m.	Gerrard Hall	G-4
Art	1:00 p.m.	Hanes Art Center, Room 121	G-2
Asian Studies	Reception following main ceremony	New West, Room 219	G-3
Biomedical Engineering	1:00 p.m.	Murray Hall, Room 202	G-5
Chemistry	1:00 p.m.	Friday Center	M-7
Classics	1:00 p.m.	Murphey Hall, Auditorium	H-5
Dramatic Art	1:00 p.m.	Center for Dramatic Art	L-6
Economics	1:00 p.m.	FedEx Global Education Center	F-6
Geography	Reception following main ceremony	Carolina Hall, Room 220	H-4
Germanic and Slavic Languages and Literatures	1:00 p.m.	Dey Hall, Toy Lounge	H-5
Global Studies	4:00 p.m.	Memorial Hall	H-4
History	1:00 p.m.	Hamilton Hall, Room 100	J-4
Information and Library Science	1:00 p.m.	Student Union, Great Hall	J-6
Linguistics	Reception following main ceremony	Hyde Hall	H-2
Math	1:00 p.m.	Carroll Hall, Room 111	G-4
Music	2:00 p.m.	Kenan Music Building, Rehearsal Hall	F-3
Peace, War and Defense	Reception following main ceremony	Student Union, Aquarium Lounge	J-6
Physics and Astronomy	1:00 p.m.	Chapman Hall, Room 201	G-4
Political Science	1:00 p.m.	Memorial Hall	H-4
Psychology and Neuroscience	1:00 p.m.	Carmichael Arena	K-7
Religious Studies	Reception following main ceremony	Courtyard between Carolina and Murphey Halls	H-4
Statistics and Operations Research	1:00 p.m.	Hanes Hall, Room 120	H-4

CANDIDATES *for* GRADUATE DEGREES

May 2016 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Kathryn Carrie Adair, *Psychology and Neuroscience*, Present with You: Does Cultivated Mindfulness Lead to Greater Social Connection Through Gains in Decentering and Reductions in Negative Emotions? Professor Barbara Fredrickson.

Charlotte Agger, *Education*, Fleeing the Nest or Staying Close? How Perceptions of Family and Place Shape the Post-Secondary Enrollment of Rural Men and Women. Professor Judith Meece.

Christine B. Agnew, *Health Behavior*, "It's a Bad Thing ... But It's a Good Thing Too": A Mixed Methods Examination of Technology Use and Cyber Dating Abuse Perpetration in Adolescent Romantic Relationships. Professor Clare Barrington.

Lorraine Ahearn, *Journalism and Mass Communication*, Narrative Paths of Native American Resistance: Tracing Agency and Commemoration in Journalism Texts in Eastern North Carolina, 1872–1988. Professor Barbara Friedman.

Ada Al-Qunaibet, *Epidemiology*, Arterial Stiffness and Peripheral Arterial Disease as Indicators of Abdominal Aorta Diameters: The Atherosclerosis and Risk in Communities Study. Professor Gerardo Heiss.

Daniel Anacker, *Microbiology and Immunology*, Regulation of Human Papillomavirus Replication Through Manipulation of DNA Damage Repair Pathways. Professor Cary Moody.

Marybeth Anderson, *Genetics and Molecular Biology*, Hexokinase 2 Is Important for Tumor Growth and Metastasis in Pancreatic Ductal Adenocarcinoma. Professor Jen Jen Yeh.

Kathryn Twigg Arrildt, *Microbiology and Immunology*, Phenotypic and Genetic Features of Macrophage Tropism in HIV-1. Professor Ron Swanstrom.

Tetyana Babina, *Business Administration*, Destructive Creation at Work: How Financial Distress Spurs Entrepreneurship. Professor Geoffrey Tate.

Jinbing Bai, *Nursing*, Parent Distress, Parent-Child Interactions, Child Distress and Child Cooperation During Cancer Treatment-Related Port Starts: A Caring Perspective. Professor Sheila J. Santacroce.

Sierra A. Bainter, *Psychology and Neuroscience*, Estimation Approaches for Generalized Linear Factor Analysis Models with Sparse Indicators. Professor Patrick Curran.

Antonio Balson, *Romance Studies*, De Vidanes a Campazas: El Itinerario Literario de Francisco de Isla Antes de Fray Gerundio: Papeles Crítico-Apologéticos (1726), Tapa-Boca (1727), Juventud Triunfante (1727), Crisis de los Predicadores (1729), Cartas de Juan de la Encina (1732) y Día Grande de Navarra (1746). Professor Irene Gómez-Castellano.

Jeanette Theresa Baran-Gale, *Bioinformatics and Computational Biology*, Dynamics of mRNA and MicroRNA Expression in the Estrogen Response of Breast Cancer Cells. Professors Praveen Sethupathy and Jeremy Purvis.

Brooke Michele Bauer, *History*, Being Catawba: The World of Sally New River, 1746–1840. Professor Kathleen DuVal.

Bryan Geoffrey Behrenshausen, *Communication Studies*, Information in Formation: Power and Agency in Contemporary Informatic Assemblages. Professor Lawrence Grossberg.

Amanda Brickell Bellows, *History*, Slaves and Serfs in the Post-Emancipation Imagination, 1861–1915. Professors W. Fitzhugh Brundage and Louise McReynolds.

Christa Anne Bentley, *Musicology*, Los Angeles Troubadours: The Politics of the Singer-Songwriter Movement, 1968–1975. Professor Jocelyn Neal.

Jeanne Dyches Bissonnette, *Education*, Privileged Pages: Contextualizing the Realities, Challenges and Successes of Teaching Canonical British Literature in Culturally Responsive Ways. Professor Jocelyn Glazier.

Meagan Lynne Blair, *English*, Anticontagionism and Social Reform in 19th-Century Transatlantic Literature. Professor Beverly Taylor.

Adam Bledsoe, *Geography*, Defender Nosso Pedaço de Chão: Quilombola Struggles in Bahia. Professors Alvaro Reyes and Altha Cravey.

James Benjamin Bolling, *English*, Serial Historiography: Literature, Narrative History and the Anxiety of Truth. Professor Megan Matchinske.

Daniel Charles Bowman, *Geological Sciences*, Infrasound from Ground to Space. Professor Jonathan M. Lees.

Rory Earl Bradley, *German Studies*, The Enlightening Supernatural: Ghost Stories in Late 18th-Century Germany. Professor Eric S. Downing.

Danielle Furci Braxton, *Nutrition*, Design and Testing of a Behavioral Weight Loss Program for African American Women Who Are Severely Obese. Professors Alice Ammerman and Carmen Samuel-Hodge.

Jacqueline Burgette, *Health Policy and Management*, The Impact of Early Head Start on Children's Oral Health. Professor Richard Rozier.

Hao Cai, *Pharmaceutical Sciences*, Metformin Efficacy Against Breast Cancer Depends on Its Cellular Uptake via Cation Transporters and Modulation of Insulin/IGF1 Pathway. Professor Dhiren R. Thakker.

Mona Cai, *Epidemiology*, Trends in Oral Anti-Diabetic Utilization and Factors Affecting Effectiveness in Children and Young Adults. Professor M. Alan Brookhart.

Tian Cao, *Computer Science*, Coupled Dictionary Learning for Image Analysis. Professor Marc Niethammer.

Lindsey Anne Carr, *Biology*, Effects of Spatiotemporal Temperature Variation on Benthic Community Dynamics in the Galápagos Islands. Professor John Bruno.

Craig Anthony Cavanaugh, *Materials Science*, The Microionizer: A Solid State Ion Source for High Pressure Mass Spectrometry. Professor J. Michael Ramsey.

Domenic Hayden Cerri, *Psychology and Neuroscience*, Role of the Ventral Subiculum-to-Nucleus Accumbens Circuit in Reinforcement and Choice of Delayed Outcomes. Professor Regina Carelli.

Srinivas Niranj Chandrasekaran, *Biochemistry and Biophysics*, Parameter Optimization on the Convergence Surface of PATH Simulations. Professor Charles W. Carter Jr.

Grace Anne Chappell, *Environmental Sciences and Engineering*, Alterations to the Epigenome Represent Critical Mechanisms of Chemically Induced Carcinogenesis. Professor Ivan Rusyn.

Devon Check, *Health Policy and Management*, Investigating Racial Disparities in Quality of Chemotherapy-Induced Side Effect Management Among Medicare Beneficiaries with Early Stage Breast Cancer. Professor Stacie B. Dusetzina.

Kevin Chovanec, *English*, Pan-Protestant Heroism in Early Modern England. Professor Reid Barbour.

Pavel A. Chtcheprov, *Biomedical Engineering*, Optical Geometry Calibration Method for Computed Tomography and Applications of Compact Microbeam Radiation Therapy. Professor Otto Zhou.

Yunro Chung, *Biostatistics*, Statistical Contributions to Order Restricted Inference for Survival Data Analysis. Professor Jason P. Fine.

Brittney Pauline Ciszek, *Oral Biology*, Unraveling the Complexities of Idiopathic Pain Disorders: From Mouse to Man. Professor Andrea Nackley.

Emily Joy Clark, *Romance Studies*, Gambling in the Mid-19th-Century Latin American Social Imaginary. Professor Rosa Perelmuter.

Spencer Clouatre, *Business Administration*, Person-Environment Fit in Army Talent Management: An Integrative Approach. Professor Jeffrey R. Edwards.

Sydney Kellen Conrad, *Romance Studies*, Futurism and Propaganda: Manifestos, Theatres and Magazines. Professor Federico Luisetti.

Erin R. Corrales-Diaz, *Art History*, Remembering the Veteran: Disability, Trauma and the American Civil War, 1861–1915. Professor Ross Barrett.

Ashley Nicole Costner, *Education*, Assessing the Cognitive Functioning of Students with Intellectual Disabilities: Practices and Perceptions of School Psychologists. Professor Rune Simeonsson.

Christopher Courtheyn, *Geography*, "Memory Is the Strength of Our Resistance": A Critical Performance Geography of Peace, Memory, Territory and Politics in the San José Peace Community, Colombia. Professors Altha Cravey and Alvaro Reyes.

Raquel Zanatta Coutinho, *Sociology*, The Transition to Low Fertility in Brazil. Professor S. Philip Morgan.

Melissa J. Cox, *Health Behavior*, Examining Bidirectional Relationships Between Parental Socialization Behaviors and Adolescent Alcohol Misuse Across Early and Middle Adolescence. Professor Susan T. Ennett.

Jessica Coyle, *Biology*, Trait-Based Inference of Environmental Constraints on Lichen Epiphyte Communities at Multiple Spatial Scales. Professor Allen Hurlbert.

Rex B. Crews, *Classics*, The Handbooks de Officio Proconsulis: Authorship and Audience. Professor James Rives.

Jonny Crocker, *Environmental Sciences and Engineering*, Evaluating the Process, Costs and Outcomes of Engaging Natural Leaders and Teachers in Community-Led Total Sanitation. Professor Jamie Bartram.

Tomasz Joseph Czernuszewicz, *Biomedical Engineering*, Atherosclerotic Plaque Characterization in Humans with Acoustic Radiation Force Impulse (ARFI) Imaging. Professor Caterina M. Gallippi.

Onur Dagliyan, *Biochemistry and Biophysics*, Engineered Control of Protein Activity in Living Cells. Professors Nikolay Dokholyan and Klaus Hahn.

Jamela Fay Dallis, *English*, Haunted Narratives: The Afterlife of Gothic Aesthetics in Contemporary Transatlantic Women's Fiction. Professors Minrose Gwin and Shayne Legassie.

Suzanne Daly, *Nursing*, Racial Differences in the Quality of Home Health Care: What Are the Contributing Factors? Professor Barbara Mark.

Charna D'Ardenne, *Education*, Literacy for What? An Exploration of the Literacy Practices, Relationships and Schooling Experiences of a Latino Family. Professor Jocelyn Glazier.

Alakananda Das, *Biochemistry and Biophysics*, The Crescerin Protein Family Uses Arrayed TOG Domains to Regulate Microtubules in Cilia. Professor Kevin Slep.

Yu Deng, *Biostatistics*, Generalized Change-Point Hazard Models with Censored Data. Professors Jianwen Cai and Donglin Zeng.

Stephanie M. DeVane-Johnson, *Nursing*, Shifting the Gaze of African American Infant Feeding to a Psychological, Cultural and Socio-Historical Lens. Professor Cheryl Woods Giscombé.

Michael Dimpfl, *Geography*, Clean U: Cleanliness, Social Difference and the Dirty Work of Everyday Hygiene. Professors Sara Smith and Banu Gökariksel.

Benjamin Joshua Doty, *English*, The Anatomy of Conscience: Science, Ethics and Religion in 19th-Century American Literature. Professor Jane F. Thrailkill.

Brian Drohan, *History*, Rights at War: British Counterinsurgency in Cyprus, Aden and Northern Ireland. Professor Susan Pennybacker.

Lauren Du Graf, *Comparative Literature*, Ambivalent Americanism: U.S. Literary Modernism in France and Algeria After 1940. Professor Inger Brodey.

James Michael Dunleavey, *Cell and Molecular Physiology*, PECAM-1-Dependent Vascular Mimicry in Melanoma: Contributions to Anti-Angiogenic Resistance. Professor Andrew C. Dudley.

Danielle D. Durham, *Epidemiology*, Insurance Status and Diagnostic Follow-Up Disparities in Breast Cancer Screening. Professor Whitney R. Robinson.

Meridith Lyn Eastman, *Health Behavior*, Profiles of Reactivity to Bullying Victimization: Genetic and Family Environment Predictors. Professor Vangie Foshee.

Ashlee Aeisha Edwards, *Information and Library Science*, Engaged or Frustrated? Disambiguating Engagement and Frustration in Search. Professor Diane Kelly.

Amanda Marie Eudy, *Epidemiology*, Gestational Weight Gain and Pre-Conceptional Cardiovascular Health in Pregnant Women with Systemic Lupus Erythematosus. Professor Anna Maria Siega-Riz.

Maria C. Fellie, *Romance Studies*, Antonio Colinas: Poetry and Life (1967–1988), A Critical Introduction to the Foundational Poetic Works with Selected Translations. Professor Irene Gómez-Castellano.

Matthew West Feminella, *Germanic Languages*, Staging Spontaneity: Corporeal Expression and the Paradox of Acting in the German Theater Discourse Around 1800. Professor Clayton Koelb.

Qing Feng, *Statistics and Operations Research*, Statistical Integration of Information. Professors J. S. Marron and Jan Hannig.

Amelia Morel Fiske, *Anthropology*, Crude Assemblages: Harm from Oil Operations in the Ecuadorian Amazon. Professor Margaret Wiener.

Samuel H. Flanders, *Economics*, Essays in Microeconomics. Professor Gary Biglaiser.

Cory James Flynn, *Chemistry*, Understanding the Synthesis, Performance and Passivation of Metal Oxide Photocathodes. Professor James Cahoon.

Vera Rosamond Foley, *English*, The Home Front Revisited: Visions of Union from Professional Women Writers of the American North, 1859–1877. Professor Philip F. Gura.

Erik Forseth, *Physics and Astronomy*, High-Precision Extreme-Mass-Ratio Inspirals in Black Hole Perturbation Theory and Post-Newtonian Theory. Professor Charles R. Evans.

Chris M. Foster, *Psychology and Neuroscience*, The Effect of Domain General Age-Related Cognitive Changes on the Pattern Completion Bias and Episodic Memory. Professor Kelly Giovanello.

Valerie Fox, *Occupational Science*, An Exploration of Social Participation for Young Adults Following a First Psychotic Episode. Professor Antoine Bailliard.

Jason Alan Freeman, *Sociology*, Three Studies Exploring Genetic and Social Influences on the Association Between Religiosity and Substance Use Behaviors. Professors Guang Guo and Michael J. Shanahan.

Leslie Christopher Freeman, *Genetics and Molecular Biology*, A Role for the NLR Family Members NLRC4 and NLRP3 in Astrocytic Inflammasome Activation and Astrogliosis. Professors Jenny P.Y. Ting and Glenn Matsushima.

Kayoll Veronique Galbraith, *Nursing*, A Culturally Empowering Perspective of African American Parents' and Their Adolescent Daughters' HPV Vaccine Acceptance. Professor Coretta M. Jenerette.

Tomas Gallareta Cervera, *Anthropology*, The Archaeology of Monumental Architecture and the Social Construction of Authority at the Northern Maya Puuc Site of Kiuic. Professor Patricia A. McAnany.

Diana Isabel Garcia, *Romance Studies*, Oeil, Observateur, Ecriture: Poetique Visuelle et Experimentation dans la Fiction du 18e Siècle. Professor Ellen R. Welch.

Kristin Nicole Garrett, *Political Science*, The Moralization of Politics: Causes, Consequences and Measurement of Moral Conviction. Professor Thomas M. Carsey.

Jacob Wayne Gauer, *Chemistry*, Single-Molecule Fluorescence Studies of DNA Bending During Prokaryotic Mismatch Repair Initiation. Professor Dorothy Erie.

Shannon Kapuaolaokalaniakea Gellert, *Epidemiology*, Changes in Burden of Cardiovascular Disease Following Hypothetical Reductions in Adiposity. Professor Gerardo Heiss.

Mabel D. Gergan, *Geography*, Precarity and Possibility at the Margins: Hazards, Infrastructure and Indigenous Politics in Sikkim, India. Professor Sara Smith.

Karen Gerken, *Sociology*, The Determinants and Health Consequences of Subjective Social Status in Young Adulthood. Professor Kathleen Mullan Harris.

Joanna M. Gohmann, *Art History*, Living Together: Representations of Animals and the Performance of Elite Identities in French Spaces of Sociability, 1700–1789. Professor Mary Sheriff.

Mugdha Gokhale, *Epidemiology*, Cardiovascular Effects of Incretin-Based Antihyperglycemic Drugs Relative to Treatment Alternatives in Older Adults. Professor Til Sturmer.

Nicholas Cejas Gomez, *Genetics and Molecular Biology*, Mechanisms of Ewing Sarcoma Development and Therapeutic Resistance. Professor Ian J. Davis.

Robert M. Gonzalez, *Economics*, Social Monitoring and Corruption in Developing Countries. Professor Klara S. Peter.

Clifford Guy Goodman, *Chemistry*, Stereoconvergent Transformations of Carbonyls for Expedient Synthesis of Stereochemically Complex Small Molecules. Professors Jeffrey S. Johnson and Simon Meek.

Colin James Grudzien, *Mathematics*, The Method of Geometric Phase in the Hopf Bundle as a Reformulation of the Evans Function for Reaction Diffusion Equations. Professor Christopher Jones.

Gary David Guadagnolo, *History*, Creating a Tatar Capital: National, Cultural and Linguistic Space in Kazan, 1920–1941. Professor Donald J. Raleigh.

Tessa Claire Gurney, *Romance Studies*, Slavery, Subalternity, Empire: Performing the Multicultural Mediterranean in Italian Comedy. Professor Ennio Rao.

Jon Alan Hagar, *Microbiology and Immunology*, Cytosolic LPS Activates Caspase-11: Implications for Innate Immunity and Management of Septic Shock. Professor Edward Miao.

Xufeng Han, *Computer Science*, Learning with More Data and Better Models for Visual Similarity and Differentiation. Professor Alexander Berg.

Hans Jorgen Hansen, *Classics*, Pindar's Isthmian 6: A Commentary and Literary Study. Professor William H. Race.

Janice E. Hansen, *German Studies*, Redeeming Faustus: Tracing the Pacts of Mariken and Faust from the 1500s to the Present. Professor Ruth von Bernuth.

Laurel Harduar Morano, *Epidemiology*, Ambient Outdoor Heat and Heat-Related Illness in Florida. Professor Steve Wing.

Heidi Hart, *German Studies*, Contrary Voices: Heine, Hölderlin and Goethe in the Music of Hanns Eisler. Professor Thomas Pfau.

Aseem Hasnain, *Sociology*, Fractured Identities: Comparing Muslimness and Shia-ness in 20th-Century India. Professor Charles Kurzman.

Tikvah Katheryn Hayes, *Genetics and Molecular Biology*, Targeting Mutant KRAS in Pancreatic Cancer. Professor Channing J. Der.

Susan H. Hedges, *Education*, Technology Use as a Support Tool by Secondary Students ith Autism: A Mixed Methods Investigation. Professors Samuel L. Odom and Kara Hume.

Leah Marie Heist, *Chemistry*, Structure and Dynamics Studies Using Nuclear Magnetic Resonance: From Simple Liquids to Extreme Networks. Professor Edward T. Samulski.

Tamara Keondra Hicks, *Social Work*, Examining the Influence of Existing Social Roles on Sick Role Acceptance Among African American Women with Hypertension. Professor Kathleen Rounds.

Beth N. Hopping, *Nutrition*, Local Food Perceptions and Shopping Behaviors in Rural North Carolina: A Novel, Retail-Based Approach for Promoting Health? Professor Alice Ammerman.

Matthew Taylor Horne, *Economics*, Essays on Dynamic Contract Theory. Professor Gary Biglaiser.

Philip Howard, *Business Administration*, Asset Pricing at the Zero Lower Bound. Professor Mariano M. Croce.

Po-Hung Hsieh, *Pharmaceutical Sciences*, Structural Characterization of Oligosaccharides and Understanding Heparan Sulfate-Protein Interactions. Professor Jian Liu.

Shijia Hu, *Oral Biology*, Unraveling the Transcriptome of Odontogenic Tumors. Professor John Wright.

Ricardo Javier Huaman, *Romance Studies*, The Theoretical and Practical Virtues in Francisco de Castilla's Teorica de Virtudes (1518) and Practica de las Virtudes (1518). Professor Frank Dominguez.

Lee Wade Hutson, *Psychology and Neuroscience*, The Effects of Central Interleukin-1 Signaling on Peripheral Immunomodulation. Professor Donald Lysle.

Anna Marta Jalowska, *Marine Sciences*, Response of River Coastal Margins to Human Induced Variations in Sediment Supply and Accelerated Sea-Level Rise. Professors Brent A. McKee and Antonio B. Rodriguez.

Joshua M. Jansa, *Political Science*, Laboratories of Inequality: The Politics of Economic Development Incentives and the Distribution of Resources in America. Professors Virginia Gray and Thomas Carsey.

Ashley Rachelle Johnson, *Biomedical Engineering*, Continuous Liquid Interface Production of Microneedles for Transdermal Drug Delivery. Professors Joseph DeSimone and Michael Jay.

Evan Eugene Johnson, *Public Policy*, Attitudes, Social Context and Environmental Behavior: Essays Explaining Voluntary Household Energy Conservation. Professor Richard Andrews.

Shannon Kathleen Jones, *Bioinformatics and Computational Biology*, A Computational Fluid Dynamics Study of the Smallest Flying Insects. Professors Laura Miller and Tyson Hedrick.

Rebecca Lee Payne Jordan, *Education*, Kindergarten and First Grade Teachers' Knowledge of Reading and Associations with Teacher Characteristics and Instructional Practices at Rural Low-Wealth Schools. Professors Harriet Able and Lynne Vernon-Feagans.

Robert M. Judith, *Physics and Astronomy*, Actuating Surface Attached Posts as Sensors for Microfluidic Applications. Professor Richard Superfine.

Corey Andrew Kalbaugh, *Epidemiology*, Burden Estimates, Post-Diagnosis Care and Outcomes Associated with Peripheral Artery Disease in the Atherosclerosis Risk in Communities Study. Professor Laura Loehr and Gerardo Heiss.

Chintan Hareshbhai Kapadia, *Pharmaceutical Sciences*, Engineering PRINT Nanoparticle Subunit Vaccine to Induce Antitumor Immune Response. Professor Joseph M. DeSimone.

Steffen Kaupp, *German Studies*, Transcultural Satire in German Fiction of Turkish Migration: Self-Deprecation, Ethnic Impersonation, Intertextuality. Professor Priscilla Layne.

Keegan John Kelly, *Physics and Astronomy*, Nuclear Reaction Rate Uncertainties and the 22Ne(p, γ)23Na Reaction: Classical Novae and Globular Clusters. Professor Arthur E. Champagne.

Samuel Joseph Kessler, *Religious Studies*, "A New Shoot from the House of David": Adolf Jellinek and the Creation of the Modern Rabbinate. Professor Randall Styers.

Saira Khan, *Epidemiology*, Diabetes and Prostate Cancer Aggressiveness at Diagnosis and Progression in White Americans and Black Americans from the North Carolina-Louisiana Prostate Cancer Project (PCaP). Professor Andrew Olshan.

Kelly N. Kilburn, *Public Policy*, Cash Transfers, Behavioral Change and Child Development: Experimental Evidence from Malawi's Cash Transfer Program. Professor Sudhanshu Handa.

Myung Soo Kim, *Pharmaceutical Sciences*, Exosome Mediated Delivery of Paclitaxel for the Treatment of Drug Resistant Pulmonary Metastases. Professor Leaf Huang.

Yuna Connie Kim, *Public Policy*, Harm Reduction and Substance Use: Examining the Politics and Policy Impacts. Professor Krista M. Perreira.

Susan Catherine Kleiman, *Nutrition*, Microbiome-Mediated Metabolic Activity and Weight Dysregulation in Anorexia Nervosa. Professor Cynthia M. Bulik.

Karen Phelan Kozlowski, *Sociology*, "Doing School": Learning Behavior, Classroom Interactions and the Racial Achievement Gap. Professor Karolyn Tyson.

Scott H. Krause, *History*, Outpost of Freedom: A German-American Network's Campaign to Bring Cold War Democracy to West Berlin, 1933–1966. Professor Konrad H. Jarausch.

Melody Kung, *Education*, Reading Instruction and Asian Language-Minority Learners' and Native-English-Speaking Students' English Reading Ability Growth. Professor Jill Fitzgerald.

Nicole Anne Kurhanewicz, *Toxicology*, The Role of TRPA1 and Autonomic Imbalance in the Cardiac Response to Air Pollution. Professors Mehdi Hazari and David Peden.

Alison Elizabeth LaGarry, *Education*, Narratives of Note: The Dynamics of Socially Just Music Education. Professor George W. Noblit.

Francisco Laguna-Correa, *Romance Studies*, Pensar en México sin México: Del Paradigma Intelectual Criollo Nacional a la Re-escritura Subalterna de la Migración Femenina Mexicana en Estados Unidos. Professor Juan Carlos González-Espitia.

Alexander Lapides, *Chemistry*, Molecular Complexes at Electrode Interfaces for Sustainable Energy Applications. Professors Thomas J. Meyer and Joseph L. Templeton.

David Lax, *Mathematics*, Combinatorial Structures in the Coordinate Rings of Schubert Varieties. Professor Robert A. Proctor.

Robyn L. Le Blanc, *Classics*, The Public Sacred Identity of Roman Ascalon. Professor Jodi Magness.

Patrick Lee Leslie, *Genetics and Molecular Biology*, Analysis of the p53 Regulator MDM2 and the Identification of the Novel p53 Target Gene LRP1. Professor Yanping Zhang.

Sarah Elizabeth Lewis, *Health Policy and Management*, Assessing Quality of Non-Cancer Chronic Care and Medication Adherence for Comorbidities Among Prostate Cancer Survivors. Professor Morris Weinberger.

Wen Li, *Social Work*, Mindfulness-Oriented Recovery Enhancement for Video Game Addiction in U.S. Emerging Adults. Professor Matthew O. Howard.

Ruth Link-Gelles, *Epidemiology*, Are We Studying Who We Think We're Studying? Role of Socioeconomic Status in the Validity of Estimates of Pneumococcal Conjugate Vaccine Effectiveness in the United States. Professor Daniel Westreich.

Tsai-Ling Liu, *Health Policy and Management*, Management and Outcomes of Patients with Cirrhosis and Diabetes. Professor Justin Trogdon.

Rachel M. Machta, *Health Policy and Management*, Unpacking Transitional Care: Facilitators, Barriers and Quality Impacts of a Multidisciplinary Program to Reduce 30-Day Readmissions. Professor Morris Weinberger.

Brooke Erin Magnus. *Psychology and Neuroscience*. Item Response Modeling of Multivariate Count Data with Zero-Inflation, Maximum Inflation, and Heaping. Professor David Thissen.

Erin K. Maher. *Musicology*. Darius Milhaud in the United States, 1940–1971: Transatlantic Constructions of Musical Identity. Professor Annegret Fauser.

Theodore J. Mansfield. *Environmental Sciences and Engineering*. Health Impacts of Transportation and the Built Environment: A Quantitative Risk Assessment. Professor Jacqueline MacDonald Gibson.

Rainier DeVera Masa. *Social Work*. Food Security and Antiretroviral Therapy Adherence Among People Living with HIV in Duncan District, Zambia: A Pilot Study. Professor Gina Chowa.

Angela Liu Mazul. *Epidemiology*. Single Nucleotide Polymorphisms in Vitamin A, Folate and Choline Related Genes and Interaction with Maternal Vitamin Intake and Neuroblastoma. Professor Andrew Olshan.

JoEllen McBride. *Physics and Astronomy*. Star Formation Histories of Southern Compact Groups. Professor Gerald Cecil.

Stephanie McConville. *Education (School Psychology)*. Social and Emotional Support at School: A Qualitative Exploration of the Perspectives of Children Living with Asthma. Professor Rune J. Simeonsson.

Adam Forrest McCune. *English*. "The Little Actor": Performing Childhood in 19th-Century British Literature. Professor Laurie Langbauer.

Caitlin M. McMahon. *Chemistry*. Transition-Metal-Catalyzed Radical Reactions: Carbon-Carbon Bond-Forming Reactions Utilizing Alkyl Electrophiles. Professor Erik J. Alexanian.

Jason H. Melehani. *Pharmacology*. Mechanisms and Consequences of Staphylococcus aureus Leukocidin AB-Mediated Activation of the Host NLRP3 Inflammasome. Professors Joseph A. Duncan and Robert Nicholas.

Carlos Rafael Melendez Roman. *Education*. A Monte Carlo Study of Several Different Approaches to the Behrens-Fisher Problem. Professor William Ware.

Maureen Michele Melita. *Romance Studies*. Donne Dimenticate, Donne Nascoste: Re-Examining the Female Figure in the Theatrical Works of Amelia Pincherle Rosselli. Professor Federico Luisetti.

Lei Miao. *Pharmaceutical Sciences*. The Role of Tumor Desmoplasia in NanoParticle Delivery of Drugs and Genes. Professor Leaf Huang.

Kevin Anthony Miceli. *Business Administration*. From Garage Inventor to Garage Entrepreneur. Professor Atul Nerkar.

William Meihack Miller. *Epidemiology*. Contextual Factors That Contribute to Increased Risk of HIV Among Transgender and MSM Sex Workers and Recommendations for Service Delivery. Professor William C. Miller.

Desinia B. Miller. *Toxicology*. Ozone Induces Systemic Metabolic Derangement Through Neuronal Stress Mechanisms. Professors Urmila P. Kodavanti and Miroslav Styblo.

Jacinth L. Mitchell. *Genetics and Molecular Biology*. NRDE-1 Is Required for Germline Immortality. Professor Shawn Ahmed.

Star A. Mitchell. *Nursing*. An Inside View: Using Photovoice to Study Smoking in Rural Low-Income Women. Professor Shawn Knepp.

Gregory Thomas Mole. *History*. Privileging Commerce: The Compagnie des Indes and the Politics of Trade in Old Regime France. Professor Jay M. Smith.

Pablo Alberto Molina. *Classics*. Paul in Rome: A Case Study on the Formation and Transmission of Traditions. Professor James B. Rives.

Andrew Monteith. *Biochemistry and Biophysics*. Impaired Lysosomal Maturation in Macrophages Underlies Pathogenesis in Systemic Lupus Erythematosus. Professor Barbara Vilen.

Kristen Renee Moore. *Epidemiology*. Reproductive Tract Infections and Uterine Fibroids. Professors Jennifer Smith and Donna Baird.

Ryo Moore. *Mathematics*. Extensions of J. Bourgain's Double Recurrence Theorem. Professor Idris Assani.

Lindsay Thompson Munn. *Nursing*. Team Dynamics and Learning Behavior in Hospitals: A Study of Error Reporting by Nurses. Professor Cheryl Jones.

Caitlin C. Murphy. *Epidemiology*. Examining the Increasing Incidence of Colorectal Cancer in Younger Adults. Professor Robert S. Sandler.

Allison Elizabeth Myers. *Health Behavior*. From Media Advocacy to Health Behaviors: Examining the Relationships Between Mass Media Messages, Public Opinion and Point-of-Sale Tobacco Control Policy Implementation in the United States. Professor Leslie A. Lytle.

Melanie Napier. *Epidemiology*. Exposure to Human Source-Associated Fecal Indicators and Self-Reported Illness Among Swimmers. Professor Charles Poole.

Anndal Narayanan. *History*. Home from the Djebel: The Making of Algerian War Veterans in France, 1956–1974. Professor Don Reid.

Erin Stevens Nelson. *Anthropology*. Community Identity in the Late Prehistoric Yazoo Basin: The Archaeology of Parchman Place, Coahoma County, Mississippi. Professor Vincas Steponaitis.

Benjamin David Newton. *Computer Science*. Efficient Management of a Robust High-Bandwidth Airborne Network of Commercial Aircraft. Professor Kevin Jeffay.

Brooke Tompkins Nezami. *Health Behavior*. Healthy Weight Behaviors and Weight Change in Parents and Preschool-Aged Children. Professor Deborah F. Tate.

Shenandoah Lia Nieuwsma. *Religious Studies*. Broken Spirits: A History of Spiritual Fitness Training in the United States Army Since World War II. Professor Randall Styers.

Jonathon O'Brien. *Biostatistics*. Statistical Methods for Mass Spectrometry Proteomics. Professor Bahjat Qaqish.

Annegret Oehme. *German Studies*. Adapting Arthur: The Transformations and Adaptations of Wirnt von Grafenberg's Wigalois. Professor Ruth von Bernuth.

Edema Ojomo. *Environmental Sciences and Engineering*. Influence of the Enabling Environment on Drinking-Water Programs: Qualitative and Quantitative Analyses. Professor Jamie Bartram.

Chinelo Christine Okigbo. *Maternal and Child Health*. A Multilevel Analysis of Socioecological Factors Associated with Modern Contraceptive Use in Urban Nigeria. Professor Ilene S. Speizer.

Jeffrey Jon Olney. *Psychology and Neuroscience*. An Examination of the Role of the Central Orexin System in Binge-Like Ethanol Consumption. Professor Todd E. Thiele.

Thomas Osburn. *Physics and Astronomy*. Extreme Mass-Ratio Inspirals into a Black Hole. Professor Charles Evans.

Stephani Cyrisse Page. *Biochemistry and Biophysics*. Analysis of Receiver Domain Dephosphorylation Kinetics. Professor Robert Bourret.

Hillary Parkhouse, *Education*, Critical Pedagogy in U.S. History Classrooms: Conscientization and Contradictory Consciousness. Professor Xue Lan Rong.

Melissa Cox Parnell. *Education (School Psychology)*, Response to Intervention: Impact on Special Education Referrals and Eligibility. Professor Rune J. Simeonsson.

Christian Michael Parobek. *Genetics and Molecular Biology*. Dissecting the Effects of Selective Pressures on the Genomes of Co-Endemic Plasmodium vivax and Plasmodium falciparum in Cambodia. Professor Jonathan Juliano.

Jaymin Chetan Patel, *Epidemiology*, Molecular Epidemiology of Malaria in Pregnancy. Professor Steven R. Meshnick.

Summer Melody Pennell, Education, Queering the Curriculum: Critical Literacy and Numeracy for Social Justice. Professor George Noblit.

Jittima Pruttipurk. *English*, The Gendered Subject of Turn-of-the Century American Fiction. Professor Jane Thrailkill.

Tojan Bassam Rahhal. *Pharmaceutical Sciences*. Engineering PRINT® Particles for Pulmonary Delivery of Therapeutics. Professors Elena Batrakova and Joseph M. DeSimone.

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Richard G. Hansson
Caleb A. Hirsch
Matthew David Hollifield
Edith Min Huang
Ericka Jean Huckle++
Bryan David Huffstetler
Christopher W. Johnson
Daniel Jedidiah Johnson
Lauren M. Johnson
Rupal Kasbekar
Bryan M. Kleinberg
Craig A. Knox
Hope A. Kpa
Zachary Aaron Kritzer
Rachel Catherine LaBianca
Laura J. Lacey
Laura Meliea Lambeth
Kristina Laulis
Brittany Ann Lawson
Andrew Lee
Cynthia Lee++
Jennifer Elise Levine
Holly Chen Lien++
Dora Linkoff
Ivy Lio
Caleb Redfern Little
Wenli Liu
Wenxi Liu++
Bryan George Love
Meghan Courtlin Maples
Jacob Dale Maready
Carrie B. Martin++
Amanda Kathryn May
William F. McAdoo
Paul Wilkins McCaskill
Zachary M. McCurry
Thomas Vann McDowell
Teri L. McElheny
Kerri McEnroe
Taylor G. McKinney
Kristin Renee Meckola++
Alyson E. Meyer++
Erin Kathleen Miller
Colleen Anjeanette Moody
Megan Ashley Mooney
Briana K. Moore
Heather Nicole Moore
Ryan J. Motte
Maxine K. Mueller
Tarhata N. Newby
Olena K. Northrup++
Han Sol Oh
Travis R. Pace
Nicole S. Palazzolo
Juhi S. Patel
Juhin Patel
Nishma J. Patel
Rashmi Bharat Patel++
Natalie Fletcher Pearce
Leslie Walters Perry
Joshua Matthew Peshel
Robert Hargrove Pope
Ashley R. Press
Kimberly Ann Preuss
Cristina E. Reyes
Jennifer Rivera
Sarah Murray Robinson
Michael Andrew Rollins
Emily M. Rozes
Lifei Ruiz
Michael Ryan
Derek Michael Rycek
Cody P. Salyer
Zafeira Emilia Sarrimanolis
Megan Leigh Sell
Megan Devendra Shah
Lauren Caroline Shelmerdine
Candice A. Sherwood
Kathryn Anne Siddle
Mariah Justice Sigmon
David Alan Singer++
Reed K. Smith
Tara Selin Spencer
Joshua W. Stewart
Meagan C. Sullivan
Persida Tahiri
Allison Katherine Tharakan
Andrew J. Thorne
Sarah E. Todd
John Alexander Toler
Lynn My Truong
Jerica K. Urena
Jay M. Valena
Richard Dylan Wagoner
Kimberly S. Walker
Emily Kathryn Walley
Lydia Wang
Michelle Wang
Elizabeth C. Weddendorf++
Hillary LeAnn Wheeler
Cheryl Wychien Wisseh
Jordan Ryan Wood
Emily Grace Yarborough
Derek Alexander Yates
Natalie Walters Young
Weilin Zou

++ *Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Highest Honors*

CANDIDATES *for* GRADUATE *and* PROFESSIONAL GRADUATE DEGREES

May 2016

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Rosemarie Teresa Blewitt
Isaura Godinez
Eleanor Hampton
Johanna Jahnke
Eric Harrison Thomas

Art History
Erin Kathleen Grady
Meredith Hale
Lyla Marie Halsted
Rachel Michelle Ozerkevich
Catherine Parks Swindell
Yin Wu

Classics
Brian David McPhee
Katie Alyse Tardio
Ana Maria Wagner

Comparative Literature
Susanna Clare Stamile

Education
Angela Joy Frith
Jinyuan Gao
Yizhe Wu
Qing Yang

English
Samuel Cody Peard Brock
Adam Michael Harris

Exercise and Sport Science
Travis Anderson
Archer Bane
Timothy James Barnette Jr.
Amy Bonfiglio
Kyra Lynn Busque
Samantha Nicole Cates

Kimberly Anne Chase
Hope Caroline Davis
Derek Richard Dewig
Ruth Duvall Fuqua
Charles Louis Herzog
Katie Rose Hirsch
Mary Katherine Kuzma Kantor
Victoria Krause
Morgan M. Langton
Kerry Martin
Erin Elizabeth McMullen
Catherine Miller
David Lee Mineberg
Charles Alexander Rankin
James Richards
Robert Andrew Steele
Jonathan Teich
Chad William Wagoner
Timmons Elizabeth Williams
Ariel Marie Zaleski

Folklore
Victoria Vasiliki Bouloubasis
Rachel Crockett Kirby
Patawee Promsen

Geography
Matthew Cooper
Douglas Lamar Hopping

Global Studies
Romi Brammer
Taylor Cayce
Kinsey Spencer Davis
Sarah M. Frazer
Branwen Gallagher
Rainier Jaarsma
Jason Scott Jones
Andreina Malki
Sijal Abderhim Nasralla
Anna Katharina Reussner
Meredith Carden Sparks
Mattie Christine Webb

History
Lindsay Anne Ayling
Robin Margaret Buller
Eric Michael Burke

Aubrey Erin Lauersdorf
Max Harrison Lazar
Laurie Jean Medford
Caroline Wood Newhall
Michael Andrew Skalski
Zhuo Jun Justin Wu

Linguistics
Emily Alicia Andino
Metta T. Crouse
Iyad E. Ghanim
Grant Matthew Huffman
Xuewei Li
Ye Zhao

Mass Communication
Gabriela Lauren Arp
Pressley Kay Baird
Jessica Renee Collier
Natasha Helene Duarte
Brian Alan Dykens
Jason Tyler Eder
Sara Nour Greer
Christopher Lee Jasinski
Mengqi Jiang
Darlene Elizabeth Kipphut
Ran Li
Alexandra Vivian Namer
Sophia Noor
Lauren Odomirok
Andrea Patino Contreras
Kathryn M. Schanze
Alexia Jo Charlene Victor
Indaia Amanda whitcombe
Raymond Whitehouse
Alasdair Robert Wilkins
Yu Wu

Musicology
Amanda M. Black
Barkley Heuser
Sarah Elizabeth Tomlinson

Philosophy
Jessica Addison
Sara Copic
Ian Pierce Cruise
Francesco Nappo
Macy Salzberger

Keshav Singh
Min Tang
Michaela Iman Tiller
Political Science
Spencer Douglas Slater Baily
Mackenzie Alexander Chang
Sean Dillon Cheatle
John Curiel
Lily Sharzad Emamian
Kathryn Elaine Endahl
Daniel Gustafson
Brittany Lenart
Paulina Y. Lopez
Georgia Patrascu
Serge Joseph Severenchuk
Laura Jane Slater
Tess Snodgrass

Psychology
Julia Browne
Marie Elizabeth Camerota
Maleeha Haroon
Deirdre Anne Sackett
Ruth Katherine Smith

Public Policy
Adria Nicole Molotsky

Romance Languages and Literatures
Sarah Elizabeth Blanton
Wendy Combs
Kelly Ann Goldsmith
Colleen Marie McAlister

Russian and East European Studies
Carissa Landes

Sociology
Samuel Harrison Fishman
Moira Pauline Johnson
Anna Rybinska
Michael A. Schultz

Technology and Communication
Amy Elizabeth Dishman Brock
Crystal Lee George
Charles Casey Hart
Steven Jamroz
Andrew Joyner
Ashlie Brook White

MASTER OF CITY AND REGIONAL PLANNING
John A. Anagnost
Daniel Arnold
Julia Arielle Barnard
Pascal Lamine Buggs
Ashley Nashel Bush
Mia Louisa Ehrlich Candy
Rui Chen
Rachel Anne Eberhard
Christina Marie Galardi
Ian Hamilton
Stephen John Heiny
Michael Quinn Hogan
Yeying Huang
Lauren Leigh Joyner
Alexander Halley Kado
Ira Daniel Kaplan
Julia Hannah Katz
Sophie Kelmenson
Sarah Alexandra Kerns
Amanda Catherine Klepper
Benjamin James Lesher
Shanwen Liu
Allen Lum
Ben Lykins
Mieke W. Lynch
Meisha Yvonne McDaniel
William Edward Moose
Timothy John Quinn
Bradford Parker Sherman
Si Shi
Michael Patrick Sudol II
Yuanqi Sun
Luis Eduardo Tafur Herrera
Andrew Haskell Trump
Sara Virginia Vanlear
Elizabeth Jane Weimer
Yang Yang
Elizabeth Garrard Yarnall

MASTER OF FINE ARTS

Dramatic Art
Erin Renee Abbenante
Benjamin Kyle Amick
Carey Leigh Cox
Gregory George Decandia
Jorge William Donoso
William Thurston Hughes
Katherine Wallace Keener
Kevin Joseph Oleksy

Caroline Brittany Strange
Arielle Elisa Yoder

Studio Art
Saba Chaudhry Barnard
Erin Winston Canady
Willie Tyshawn Jones
Alyssa Miserendino
Paul Travis Phillips
Michael Drew Robertson

MASTER OF PROFESSIONAL SCIENCE

Biomedical and Health Informatics
Priyanka Rajkumar Bhojwani
Joseph Dobgima Njinimbam

MASTER OF SCIENCE

Biomedical Engineering
Michael Gordon Browne
Brandon M. Young

Biostatistics
Reuben Adatorwovor
Rebecca Agnor
Meichen Dong
Xiaoming Gao
Jae Wook Ha
Jack Weiyu Hu
Kyung Su Kim
Eunyoung Lee
Jitong Lou
Derek J. Marsh
Craig McGowan
Taofik Olatunji Oyekunle
Rongrong Qu
Thomas Stanley Redding IV
Yue Shan
Jeran Kent Stratford
Rujin Wang
Wonhee Yang
Laura Yiling Zhou
Wenxiao Zhou
Evan Joseph Zucker

Cell and Molecular Physiology
Kala Ndi Nwachukwu

Chemistry
Kelley Jo Hammon
Muyang Wang

Clinical Rehabilitation and Mental Health Counseling
Kelsie Ann Adkisson
Christina Louise Carter
Katherine Elisabeth Clary
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James Tyler Dezubay
Grace Ann Dolfi
Delores A. Drake
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Anna Colleen Hart
Sarah Catherine Hayden
Rachel Sue Jodrey
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Charlotte Louise Pearce-Bryant
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Rohan Chabra
Chun-Yeh Chen
Michael Fremont Deakin
Ryan Philip Doyle
Prathamesh Dilip Gaikwad
Navaneet Gopeenath Galagali
Hongkun Ge
Seth Michael Greenstein
Lei Huang
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Kishore Rathinavel
Charles Patrick Reynolds
Atul Rungta
Kun Wang
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Willem Neal Wyndham
Qiuyu Xiao
Pintian Zhang
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Dental Hygiene Education
Chimere C. Collins
Anna Naomi Hilla
Elizabeth Hope Collins Kornegay

Economics
Samar Ali Alwehaibi
John Wiley Dennis III
Ahmed Rachid El-Khattabi
Joshua Thomas Horvath
Wenting Ma
Sarah Joye Rogers
William Edwin Watkins
Aisling Winston
Yi Zhong

Endodontics
Jeffrey Michael Parker
Alison St. Paul
Tanjit Taggar

Environmental Sciences and Engineering
Chelsea Marie Fizer
Jenna Marie Hartley
Nur Aisyah Nasution
Yufei Su
Ranxin Tao
Brianna Antoinette Young

Genetics and Molecular Biology
Duncan Alexander McPherson
Daniela Fernanda Munoz
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Geological Sciences
Thomas Edwin Chapman
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Arik Michael Tashie
Tyler David Wickland

Marine Sciences
Molly Chapin Bost
Jihyuk Kim
Caleb Daniel King
Megan Leigh Schutt

Mathematics
David Jeffery Mason
Sutipoj Promtapan
David Alexander Raps
Tyler Kimball Woodruff

Materials Science
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Microbiology and Immunology
Lauren A. Rackoff

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Blythe Ellie Ardyson

Operative Dentistry
Mohammad Ahmad Atieh
Taneet Ghuman
Anmar Adnan Kensara

Oral and Maxillofacial Pathology
Austin James Davies

Oral and Maxillofacial Radiology
Benjamin Gray

Orthodontics
Christopher Gordon Gibson
Jeremy Jay Grabouski
Christopher John Kirk
Jillian Meeks Nyquist
Joseph W. Pittman
Gabriel Senties

Pediatric Dentistry
Erica Ann Brecher

Periodontology
Alex Gillone
Justin Randolph Valentine
Travis Joe Whitley

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Kevin Nicholas Hansen
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Andrew Leland Cooper
Philip Dustin Javernick
Bethany Grace Lanham
Philip Wulfken

Prosthodontics
Anthony Paul Gragg
Karona Apsara Tum

Speech and Hearing Sciences
Rosally Aguilar
Rachel Frances Anders
Alison Bethany Burrows
Vincenzo M. Casbarro
Asia Nicole Clarke
Joel Dan Fairchild
Whitney Johnson Gilmore
Lucy Edna Hardy
Rediet M. Kifle
Jillian Eileen Kowalski
Heather Elizabeth Lam
Claudia Elena Lemus
Jordan Adair Love
Kristin Amy McGinley
Amanda Kate Oslund
Jesse Michael Palmer
Emily Rose Potrzeba
Peter L. Schultz
Amanda Marie Stroud Simmons
Katherine Rebecca Stockin
Sarah Elizabeth Vanselous
Anna Margaret Weinberg
Valeriya Yavich
Cathy Zhao

Statistics and Operations Research
David Benusa
Xue Du
Siliang Gong
Shuyi Jiang
Minki Kim
Yue Liu
Yuqin Mu
Huiyin Ouyang
Megan Virginia Quinn
Ke Sun
Yehong Wan
Lu Wang
Bowen Xu
Ruotong Yang
Guan Yu
Zhenhua Yuan

The Kenan-Flagler Business School

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MASTER OF ACCOUNTING
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Seth Alexander Beane
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Bianca J. Boschmans
Kaitlin Anne Brown
Kathryn Jane Brown
Naethan Bradley Burch
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Lindsay Carlisle
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Yibing Chen
Yi-Jou Chiang
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David Lewis Deans
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Nandita Rawalpally
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Theresa E. Richards
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John Henry Riehl V
Connor M. Ritchey
Roberto Beaumont Rosario
Thomas Edward Saintsing
Landon Tash Savino
Randy Shin
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Eric Paul Sills
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Brent Smith
Han Song
Hitesh Soni
Amanda Lawing Sosebee
Dominique M. Stephenson
Michael Anderson Surles
Julia Terry
Susan N. Tyler
Alyson Lynn Walker
Lauren Maria Walker
Taylor Westerhof
Patrick Stallings White
Taylor Ashley White
Jeremy A. Winters
Nathan A. Witmer
Adam Woeller
Wilson Wanchung Wong
Dixy Yong
Byung Heum Yun
Matthew Harrison Zeman
Mushi Zhang
Ruichun Zheng

MASTER OF BUSINESS ADMINISTRATION
Erica M. Adler
Honey Agarwal
Tarang Agarwal
Renato G. Aguiar
Jaewook Ahn
John C. Allen
Peter Daniel Almirall
Kristen Laura Anderson
Hari Chandana Andipakula
Andrew Archer
David H. Arney
Caglar Deniz Ata
Mehmet Zahit Z. Ates
Anand S. Atre
Jonathan H. Baccus
David M. Ball
Nikhil Banthiya
Edward D. Baran
Lee Barton
Cory Charles Bausch
Bryan P. Beall
Meryem Bektas

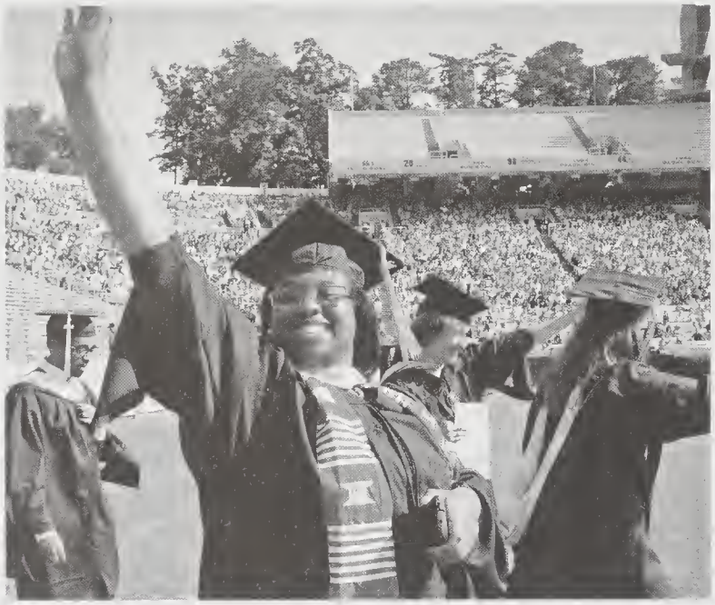
Michael J. Bender
Benjamin J. Berkowitz
Eric Beyrouty
Sayak Bhattacharyya
Michael Davidson Binns
Thomas Francis Blair
Matthew W. Blum
Tiffany R. Boller
Michael Bouscher
Mark Steven Boychak
Ashley R. Boyd
James Bracken
Robert Brady
Andrew Scott Bromley
Joshua Brown
Anton J. Buchanan
Terence W. Bundy
Viktoriia Butler
Luis Augusto M. Caldas Neto
Catherine C. Capparelli
Scott O. Carberry
Nicholas K. Caropreso
Matthew Carrus
Eduardo Carui
Niladri Chakraborty
Anuja Chander
Samuel Joseph Chandler
Aparna Chavali
Adam S. Chechila
Xiaomin Chen
Yen-Chou Chen
Eric S. Cheung
Bhaskara Srinivas Chikkam
Ravi Kiran Chikoti
Darrell Wong Chin
Elisabeth Anne Chiniara
Reuben Grove Clark
Esra Colvard
Gregory P. Conklin
Shaun Francis Conley
Brandon Harrison Copeland
Belton A. Copp
Nathan Riley Creger
Dustin Matthew Cripe
Mary A. Cummings
Daniel Cunningham
Kyle R. Cunnion
Patrick Daniel Curran
Dominic Currano
Vakul Dahiya
Stephen Albert Dahlem Jr.
Erica J. Damon
Trygg L. Danforth
Osheen John Davoudi
Javier de Santibañes
Thomas M. Desena
Sarang Avinash Deshmukh
Thomas S. Dexter
Clayton W. Doolittle
Anton E. Downie
John Brady Duckett
John Fitzgerald Ealy II
Maxwell Chua Eblaghie
Daniel H. Fink
Timothy D. Fisher
Kevin J. Fletcher
Jeremy Nathan Ford
Moya Tiko Foster
Clinton R. Fox
Gabrielle F. Francesco
Thomas A. Frere
Caitlin Collum Fross
Meagan Funches
Logan T. Gants
Miguel Garcia-Ochoa Zuazua
William Gerath
Emilio M. Gerbelli
Alexander J. Giaimo
Andrew Becton Gibbs
Matthew Ryan Glass
Glenn Goebels
Yury Y. Gomez
Jessica Lauren Gordon
William A. Gravely
Christopher W. Gray
Timothy A. Griffin
Ankush Grover
Brittany Fotsch Gulledge
Anuj Gupta
Himanshu Gupta
Ivan Felipe Guzman
Drew C. Haley
Charles Y. Hall
Andrew C. Hamblen
Zhenbo Han
Deepthi C. Hari
Michael Haskins
Jessica Maguire Hawley
George S. Hayward
David P. Healy
Kristy Marie Herrmann
Joseph B. Hinneh
William Paul Hogge
Scott A. Holden
Jeffrey N. Holland
Scott Lee Hollingsworth
Ian R. Horkley
Kevin B. Hueber
Colton L. Hunt
Aditi Jagdish
Rutuja S. Jagtap
Ankit Jhunjhunwala
Morghen A. Johnson
Charles Jones
Ankit Juneja
Fernanda Junqueira De Castilho Aguiar
Nishanth Kadiyala
Benjamin J. Kanne
Ira Daniel Kaplan
Anoop Kapoor
Prerna Kapoor
Toshihiro Kasai
Jasmeet Kaur
Fumihiro Kawasaki
Zachary A. Kaylor
Geraldine Kelly
Brian Joseph Kemmerer
Stuart A. Kessler
Samer Khuri
Chang Jin Kim
Hong Bae Kim
Hyunsuk Kim
Jongjung Kim
Kotaro Kiyomoto
Jacob T. Knoop
Sandeep Gupta Koleti
Ayman Kotob
Audrey J. Kovesci
Bhisham M. Lalwani
Ashley D. Landstra
Robert Whittle Larkin
Monica Latowicki
Janghee Lee
Darren L. Legge
Benjamin James Lesher
Kuang-Wei Li
Shichuan Li
Benjamin Howe Liebtag
John R. Lim
Jonathan C. Lim
Mary Margaret Little
Chenyong Liu
Lior Livak
Monica L. Louie
Morgan Lovit
Whitnie A. Low
James Barrett Lowe
Mengdi Lu
Tianqiang Lu
Yizhi Lu
Phillip Allan Lundie
Sarah Shiland Lycan
Alejandra Mac Farland Kanawati
John P. Mahon
Ravi Rameshchandra Maniar
Abinesh Nimalan Manoharan
Patricia Marquez
Khan David Masud
Philip Matta
Bernadette Joy Cruz Maulion
Nicole Amanda May
Jacob Corson McConnell
Meisha Yvonne McDaniel

MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.



Meghan Marie McDonnell
Sean McKelvey
Timothy R. McLoughlin
Richard Michael McMahon
Meghan D. Meehan
Rekha Melur
Joseph W. Mencel
Elizabeth Ann Metzler
Emily L. Meyer
Si Yang Miao
Kurt Mielec
Shivaprasad Mogili
Najwa N. Mohammad
Sabari Ram Mohan Ram Gandhi
Luis F. Morales Benitez
Anthony W. Morash
Charles Morris
Cameron Phillip Musler
Benjamin D. Mysliwiec
Carlos Jose Navarro Navalon
Preston Neal
Brittany B. Neale
Tuan M. Ngo
Eduardo Antonio Masaaki Nishida Hattori
Jordan N. Nousain
Juan P. Ochoa
Ayokunle Ogundeji
Sebastian Fernando Ortiz
Daniel Steven Outen
Asli Ozdem
Bryce Parrish
Paul Henry Parry
Renae C. Patch
Niket Patel
Snikitha Penmetsa
Kymberly A. Penson
Jacob D. Petralia
Ashton Phillips
Elango Ponnusamy
Carter D. Pope
Lacy Stuart Presnell
Alvaro Pro Risquez Bello
George Bosley Purrington
Carson D. Putnam
Ajay Raghumanda
Shweta Rai
Charles R. Rambo
Sheela Ramesh
Alex J. Ramthun
James William Randolph
Sankalp Rangi
Gaurav Rathi
Gautam Reddi
Nithin Busa Reddy
Samantha Cunningham Register
Carly J. Reschick
Henry J. Reyes
Alfred L. Rhyne
Chad Alan Rich
Juliann Rienecker
Christopher S. Riker
John R. Ross
William H. Ross
Ximena R. Roth
Nitin Saboo
Ravi Saini
Adam C. Salamon
Julie L. Sandler
Rodrigo Santos De Aquino
Mitesh Saragia
Kyle M. Schaffner
Andrew P. Schram
Kimberlee L. Scott
Parth P. Shah
Christine Shaner
Neelabh Sharma
Graham Christopher Sharpe
Michael A. Shelhoup
Chase Shen
Shital Sheth
Fengchen Shi
Walter C. Shiflett
Michael Shin
Anthony Sifontes
Allison L. Simon
Sahil Singla
Colin J. Sloniker
Christian A. Smith
Natalie A. Smith
Arjun Some
Trevor Sprague
William F. Stafford
Samuel Everhart Stalcup Jr.
Matthew S. Stapley
Alexander J. Stein
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Matthew R. Stiff
Nicholas L. Stommes
Amelia Mitchell Summerell
Jyothi Suresh
Shannon Marie Swiger
Elizabeth F. Sypher
Douglas W. Szwarc
Bryant W. Tam
Aristides Tavares Ribeiro Junior
Derek Taylor
Christopher Zheng-Yue Teng
Benjamin F. Thayer
Travis J. Thein
Neena Thomas
Nicole Thomas
Theodora Tran
Jerome Paul Trehy
Maia Trotta
Cynthia Tsai
Alexandra Joy Turpin
Swetha Vasu
Abinaya Vasudevan
Nelson A. Villaluz
David Milnor Weinman
David B. Weiss
James Welsh
Sean A. West
Melissa R. Wheeler
Ryan Willette
Todd A. Williamson
Nathan Woodward
Rebecca M. Wren
William A. Wright
Marcella Araujo Xavier Aquino
Yan Xie
Chunmin Xu
Peiheng Xu
Abhishek B. Yadav
Takanori Yanaga
Michael Yim
Nitin J. Zacharias
Te Zhang
Lide Zhao
Jing Zhong
Wenbo Zhu

The School of Education

ESTABLISHED 1885
Interim Dean Deborah Eaker-Rich

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April Kathleen Anderson
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Jaymie Carone Boose
Arvelis Byrd
Pamela Ashley Carlton
Maryann Cavalotto
Tanya M. Dennis
Lauren McNeely Dunning
Erin Elaine Eddy
Sarah Hancock Elniff
Elizabeth Grannis
Shanice R. Harrington
Valerie Denise Horton
Nadia Kaze Williams
Lisa Martin Langford
Taylor Wesley McKee
Shaundreka Renee Mewborn
Cynthia Rachael Murphy
Nicole Suzanne Neal
Kate Marie Newman
Jennifer Barbara Oppenheim
Jennifer Katherine Painter
Brittany Melissa Phelps
Stephanie Tkaczyk Pinkin
Laura B. Price
Takeima Charmount Ricks
Deisi Manuela Rocha
Jordan Eilber Rosado
Natalie Rene Sayag
Christina Julia Serafin
Amanda Rose Shaffer
Faiza Jahan Siddiqui
Mary B. Tisdale
Diana Lauren Tursi
Tonya Olds Venable
Sarah Elliott Waddell
Christine Louise Washburne
Victoria Leah Waters

MASTER OF SCHOOL ADMINISTRATION
Emily Marie Carroll
Leigh Moore Dodson
Brendan Russell Elkins
Lindsey Rose Faraone
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Garrett B. Ivey*++
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Women's and Gender Studies
Abigail Marion Armstrong*
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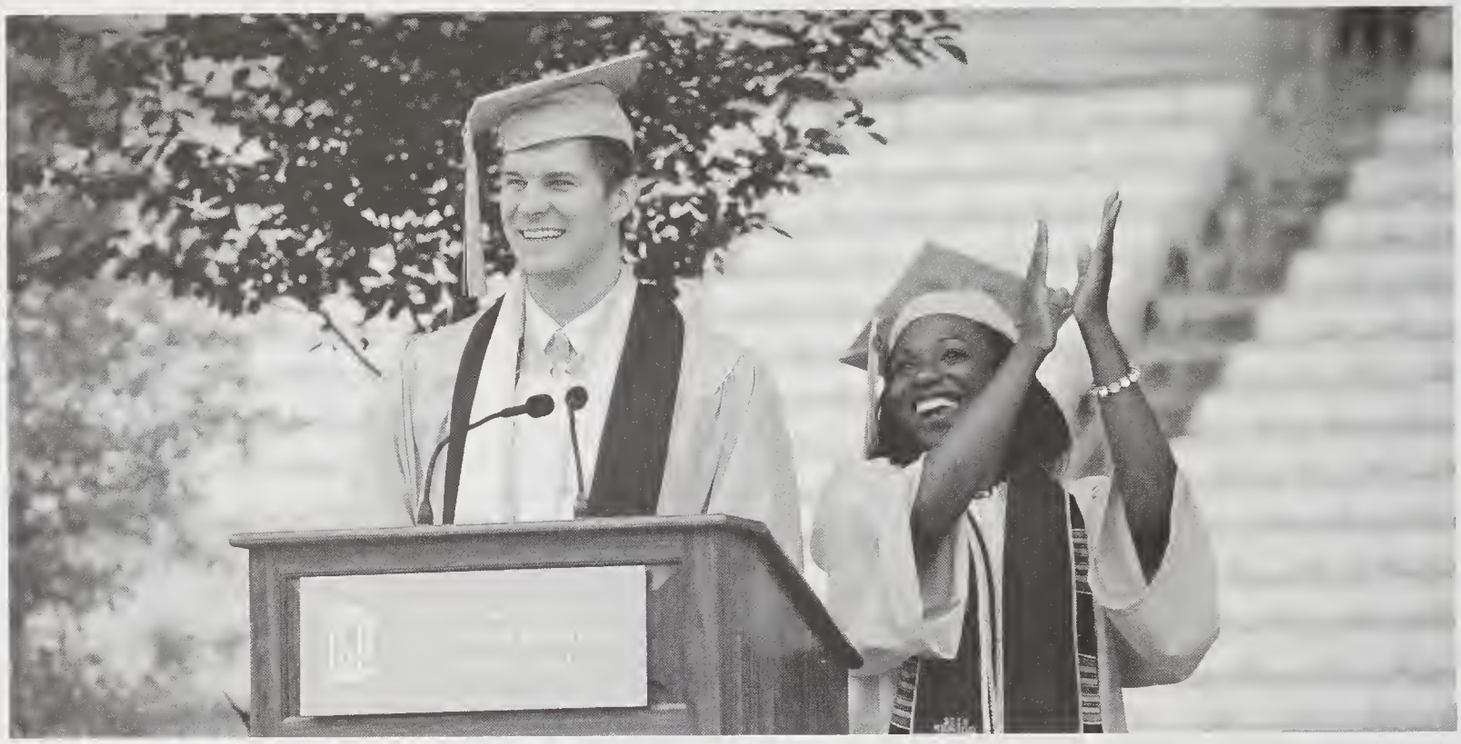

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Juan Carlos Villalpando
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Isabelle Kelly Voler*

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++ *Indicates Highest Honors recipients.*

Olivia Eloise Vos*
Katherine Diana Wagaman*
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Heting Wang*
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Carlos A. Tovar
Amy Tsai*
Jennifer L. Umstead*
Andrea M. Vaughan
Jaqueline Elizabeth Vaughan-Jones
Kaley Melissa Vead
Madison Sylvia Wagner
Kathryn B. Walker
Kristi Diane Walker*
Rachael Leah Walker
Zachary N. Walker*
Alexander Stefan Walkowski*
Haley Caroline Waxman*
Shelbi Samara Webb
Hannah Suzanne Webster
Kelsey Faith Weekman
Hannah Weiss
James Davis Westbrook
Virginia Addison Wharton
Mathilde Conway Wilcox
Kayla Wilkinson*++
Chloe Jean Williams*
Lynsay Williams
Noelle Wilson*
Hannah Wischmeier
Andrew Wood*
Emma Catherine Wooley
Kylee C. Wooten++
Sarah Scott Hardy Worth
Coble Joshua Wright
Steven Wright
Linda Xiao*
Carly Christine York

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE

Kelsey Mimi Bergfors
Celia Grace Bettinsoli
Maya Brown
Sophia Chen
Lauryn Taylor Fair
Nathan P. Griesedieck
Daria Lynn Guinn
Min Jeong Kim*
Stephanie Breanne Lane*

Katherine Lemoine
Guei-Jiun Alice Liou*
Heyman Israel Peraza Magana
Isabella C. Quijano
Eunice Shim*
Christina N. Sofian

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE

Brittany Dare Farrell*
Jennifer Lynn Franco
Jeffrey Gaines
Thomas John Gudzik*
Anna Christine Hudson
Taylor Brooke Koonts*
Kathryn Ann Messick
Mills Worthington Reagan
Morgan Reynolds
Kristen Riley
Katelyn Mackenzie Robertson*
Brenda Lisett Salas
Hillary Samagaio
Andrew Jeffrey Solomon
Tristan Edward Thrall
John Edward Voter IV

The School of Nursing

ESTABLISHED 1950
Dean Kristen M. Swanson

BACHELOR OF SCIENCE IN NURSING

Sarajane Waters Alexander
Sarah Mahmoud Al-Najjar
Elizabeth Anne Ambler*
Ashley Logan Andrews*
William Scott Andrews
Katherine Caroline Anzinger
Reagan Victoria Atkins*
Marriam Saddiqa Azam*++
Victoria Meschel Badgett
Lauren Elizabeth Barkley*
Allison Kate Bassil
Faith Bauer
Hannah Jayne Bivens
Rachel Hannah Boushell*
Ashley Morgan Brinkman
Elisabeth N. Brubaker*
Galen Skye Burns-Fulkerson*
Jon Alan Catoe
Lekhoi Huynh Chau*
Devin Cheek*
Stephen Lei Chen
Audrey Michelle Cole-Leatherwood*
Grace Sofia Cordoba
Leslie DeAnne Creech*
Nathalia Carolina Cruz
Shelby Breann Dabbs*
Megan Elizabeth Danneker*+
Mildred McGehee Dasher*++
Katherine Ann Davis
Kristen T. Deaton*
Kathryn DeLeon*+
Jessica Lauren Demick
Khar Dieng

Emily Rose Dunlop DiPietro
Emma Raquel Dollhopf*
Katherine Virginia Dougherty
Renee Ducatte*
Madeline Elizabeth Dudley*
Gabrielle A. Dugal*
Taylor Mackenzie Dulaney*
Sara Belle Earle*
Jake Christopher Edwards
Joshua Adam Eigenhuis*+
Cheyenne Danielle English
Kathryn Claire Epling
John Joseph Escano+
Shannon Elizabeth Evans
Madison Farr*
Kevin Christian Pineda Flores*
Rebecca Ann Fontaine
Michael Ford*
Carrie Fortney*
Lauren Elizabeth Fox*
Monica Marie Francis
Heather Nicole Freddoso*
Yajun L. French
Jessica Gay*
Nicole Marie Gehmann
Heather Lynn Gill
Alaina Gobush*
Cameron Lee Goodyear*
Benjamin Mark Gould
Alisha T. Grass
Cristina Luisa Guzman*
Grace Ellen Haaland*
Carolyn Abshire Hall*
Haley Brooke Hamilton
Kristy Bivins Hansen*++
Miranda Leanne Harmon
Mary Catherine Heideman*
Katherine Hetzer
Allison MacLean Hoffmeister*
Celeste Caroline Holmes*
Tori Shae Holmes
Margaret Anna Hudson
Agezi Chinwe Igboko
Amy Lynn Indence
Ashlyn Jordan Jackson*
Sarah Jahnke*
Jessica Regine Jean-Louis
Kendra Strickland Joiner
Jessica Leanne Kaat*
Nicholas Kimuhu Kamweru
Casey Morgan Kaufman
Margaret Norvell Kennedy
Lang Kirchheimer*
Rochelle Klubert*
Chelsea Krivanek
David Yinghung Lai
Janelle Lara*
Christa Marie Lauffenburger*
Diane Nicole Leadbetter*
Shy'Kiya Ny'Asia Lee
Gillian Izabelle Litynski*+
Zachary Lopez*
Albert Luong*
Leslie Ann MacKeen*++
Sarah England May
Lily Estelle McHugh*
Christopher Michael McSween
Anna Rebecca Melton*
Ruby Mendoza
Amelia N. Miles*
Jacqueline Michelle Minter*
Ayan M. Musa*
Idil M. Musa
Alana Laura Nelson*
Catherine Nevins*
Rachael Catherine Newberry
Mary Cabell Newsome
Sasha Nikolich
Claire Marie O'Keeffe*
Mary Hunter Ort*
Kenneth Odhiambo Ouma
Niveditha Palanivel
Vanessa Pang
Jae Hee Park
Carrie Rebecca Parker*
Caslin Ann Pavy*
Caroline Marie Peckels*+
Lauren Elizabeth Perks*
Gabriela Hilst Phillips
Lauren Michelle Powell
Lindy Steele Prevatt*+
Lindsay Taylor Radtke*
Jennifer Roxanne Reynolds*+
Katherine Jemma Roberts
Marisol Rodriguez*
Annelise Barbara Yvonne Rogers
Ashley Marie Roy*
Emily Salo*
Claire Elizabeth Scott
Kaitlyn Cassandra Shaw*
Vanessa Ann Sillaman*
Angel Lee Smith*
Natalie Joy Snow
Rachel L. Soltysiak*
Camille Loee Sonnier
Laura Mariah Stephenson
Jean Strandberg*
Kellum Tate Svendsen
Jessica Michele Svoboda*
Lauren Elise Swords
Kelly Rebecca Tan*+
Rachel Renee Tarwater
Leslie Marie Taylor
Jarrod William Thomas
Mario David Tobias
Brooklynne Olds Travis*
Aubrey Julie Tsao
Jennifer Louise Tupper*
Emily R. Turner*+
Vanessa Vogel
Bailey Elizabeth White*
Logan Kelly Wilkinson*
Olivia Jenkins Wilson*+
Chloe Leona Winecoff
Rachel Elizabeth Woodcock*
Marissa Anne Yates*
Toni Rochelle Younce*
Katherine Sara Zamora*
Kevin Zhao Zhang*

The Eshelman School of Pharmacy

ESTABLISHED 1897
Dean Robert A. Blouin

BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES

Melissa R. Baker
Lauren Lynn Bjork
Ross Cramer
Robert Louis Crawford
Yue Dong
Karen R. Edey
Victoria Nicole Everette
Molly Greene
Andrew R. Haberkorn
Ashley Hall
Tanner Logan Hedrick
Felix Wing-Pui Lam
Prutha B. Lavani
Amy Li
Han Lin
Christopher Ka Lo
Eric Spenser Moody
Weston M. Ogburn
Alvin Christopher Ong
Lynsey Jade Parker
Taylor Pasley
Khushboo Himanshu Patel
Payal D. Patel
Chase Weston Sasser
Allison Mary Stilwell
Carson Sarah Tester
Meredith Anne Tilley
Alissa Ward
Taylor Mai Weis
Caroline Welles
Jill Gabrielle Zaccardelli

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Biostatistics

Sainath Asokan*
Steven Preston Burns Jr.*
Timothy Robert Egan*
Larry Han*++
Thomas Hunold*++
Andrea Lane*
Jim Liao*
Callyn Lee Pfeiffer*
Subodh Rajesh Selukar*++
Pallavi Surana+
Alan Wu
Zimeng Xie*++
Christina Zhou*

Environmental Health Sciences

Aubrey Elizabeth Barker*
Sarah Elise Bird
Daniel Asher Blau*
Luke G. Godwin*
Saideep Rao Gona*+
Vineet R. Gopinathan*+
Juhi Atul Gor*
Blake Marie Hauser*++
Atima Huria
Sharon Jiang*++
Veronica Kapoor*
Kathleen Jessie McDermott
Katelyn Leigh McIntosh*
Daniel Jacob Middlebrooks
Sachin Kumar Mishra
Alexandra Marie Nguyen*++
Radha P. Patel*
James A. Smith*
George Kilpen Spencer*
Tanay B. Tailor
Matthew Thomas Zavaleta

Health Policy and Management

Catherine Whitfield Ayres*
Marissa Joy Bane*++
Johnson K. Beasley*

* *Indicates proboble candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Adele Bernard-Citer*
Rangoli Bhattacharjee*
Marnie Lalon Blalock*
Katherine Lynn Cavagnini*++
Ryan Patrick Clancy
Alina Nadira Clarke*++
Bays Elizabeth Coppedge*
Alyssa Dakoriya
Teodoro Gonzalez
Manisha H. Goyani
Haley Rai Grafton*
Courtney Marie Hardy*++
Rachel Emily Hare*
Christine Eleanor Henry*
Jade Ashton Hinsdale*
Justin L. Hoff*
Eerum Husain*
Rebecca Jordan*
Debanjali Kundu*+
Kwok Man Edith Lee*
Mia Virginia Lei
Sowmya Aditi Mangipudi*
Ryan Hoang Nguyen
Pooja Kiran Patel
Preeya Atul Patel
Prit Jignasu Patel*
Stuart L. Polk*
Kennedy Lynne Reid
Alexis D. Robinson
Shauna Marie Rust*++
Jackson Tyler Seagroves*+
Veronica Marie Simpson
Catherine Rose Valeri*
Ethan Taite Wallenius-Caldwell*
Rhea Wyse

Nutrition
Nichole Marianne Bonzano
William Timothy Brader*
Ellen Grace Carter*
Nainisha Chintalapudi*+
Anton Jordan De Witte*
Samantha Rose Forlenza*
Anita Rajesh Gandhi*++
Megan Seema Gurjar*
Alyssa Luck*
Tafadzwa Nyasha Matika*++
Anna Elizabeth Meade*++
Jaslina Paintal
Pranati Laxmi Panuganti*++
Richa B. Patel*
Marissa Elizabeth Riley*++
Jenna Elise Sedberry*++
Meghana Giridhar Shamsunder*+
Benjamin David Smart*
Andrew David Thompson Jr.*+
Shelley Marie Ann Warner*
Emily Brooke Wheeler*++
Alana M. Zeitany*

Candidates Commissioned in the Armed Forces
MAY 2016

UNITED STATES AIR FORCE SECOND LIEUTENANT
Lauren E. Christian
Reghan K. Horman
Josh Kappert
Lance J. Kapral
Shannon J. McKerlie
Kayshel L. Trudell
Christian M. Willis

UNITED STATES ARMY SECOND LIEUTENANT
Rodney O. Anderson Jr.
James W. Broadwell
Carlos A. Cordero
Edward T. Dennis
Tyler G. Elrod
Madison C. Farr
Sylvia M. Hodges
Erik M. Kellomaki
Jeremiah J. Kim
Nestor O. Lora-Ortiz
John A. Robinson
Isabel M. Verhasselt
Yang Xiang

UNITED STATES NAVAL ENSIGN
Alisha Therese Grass
Samuel Montgomery Martin
Christopher Thomas Pollenz
Salvatore Joseph Savarese Jr.
Nancy Randolph Smith
Alexander Robert Walden

CANDIDATES *for* CERTIFICATES

May 2016

Undergraduate Certificates

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

CERTIFICATE IN DENTAL HYGIENE
Hannah L. Roe

Postbaccalaureate Certificates

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

POSTBACCALAUREATE CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Louise Dabney Grinnan
Kris Belk Morefield
Marler Slate Tuttle III

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

POSTBACCALAUREATE CERTIFICATE IN COMMUNITY PREPAREDNESS AND DISASTER MANAGEMENT
Chasidy Bateman Kearns
Allison Dara Winer

POSTBACCALAUREATE CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Richard Ryan Gessner
Robin B. Richardson
Sarah Elizabeth Scow
Shuai Shi

POSTBACCALAUREATE CERTIFICATE IN GLOBAL HEALTH
Mary Elizabeth Currie
Lisa Marie Domby

POSTBACCALAUREATE CERTIFICATE IN OCCUPATIONAL HEALTH NURSING SPECIALTY
Charles Amponsah
Angelique Renee Lawyer
Jonea L. Mounsey

POST-MASTER'S CERTIFICATE IN PUBLIC HEALTH LEADERSHIP
Francoise Desir
Amber C. McGregor
Fatoumatta N'Dure
Laquana Renee Palmer
Stephanie Anne Parker
Joel Cannon Waters
Leslie Keeler Wilson

MEDALS, PRIZES *and* AWARDS

May 2016

Student Activities Awards

CHANCELLOR'S AWARDS

The Ernest H. Abernethy Prize in Student Publication Work
Corinne Anne Dymond

The Eben Alexander Prize in Greek
Emily Grace Shanahan

The Undergraduate Prize in Art History
Arianna Nicole Ray

The Peter C. Baxter Memorial Prize in American Studies
Karine Lisa Martel

The Bernard Boyd Memorial Prize
Derek Alan Pace

The Camões Prize in Portuguese
Jared Parker Scruggs

The James O. Cansler Service Award
Cameron Shea Coughlin

The Cornelius O. Cathey Award
Olivia Augusteen Bass

The Chi Omega Award for Scholarship and Leadership
David John Clancy Jr.

The Albert and Gladys Hall Coates Award
David Bill Joyner

The Class of 1938 Joseph F. Patterson Jr. and Alice M. Patterson International Leadership Award
Matthew David Coss

The George H. Cocolas Pharmacy Student Body Award
Sari Rachel Freedman

The Josephus Daniels Scholarship Medal
Salvatore Joseph Savarese Jr.

The Roger A. Davis Memorial Award
Moza Abeid Hamud

The Paul Debreczeny Prize in Slavic Languages and Literatures
Andrew Josiah Thompson

The Patrick F. Earey Award
Sandra Leland Hoyt

The Undergraduate Prize in Economics
Michael Anthony Catalano

The Marc Adam Eisdorfer Award in Linguistics
Jonathan Thomas "Neal" Siekierski

The Edward Kidder Graham Award
Merrick Makinde Robinson Osborne

The Frank Porter Graham Award
Julia Diane Stroup

The Jane Craige Gray Memorial Award
Juliana De Souza Ritter

The Greek Alliance Council Award
Nayira Inez Warren

The Boka W. Hadzija Award
Taylor Anne Livingston

The I. R. Hagadorn Award
Harish Seshadri Pudukodu

The Jacques Hardré Undergraduate Award for Excellence in French
Renata Butler Barsanti

The Edward McGowan Hedgpeth Award
Christine Keeyoon Nam
Avanti Vinay Shirke

The Archibald Henderson Mathematics Medal
Samuel Patrick DeHority

The George Moses Horton Award for Multicultural Leadership
Kierra LaRue Campbell

The Robert B. House Distinguished Service Award
Borahmie Chon

The Robert B. House Memorial Prize in Poetry
Lauren Ashley Moore

The Interfraternity Council Man of the Year
Peter Elliot Diaz

The E. Eugene Jackson Award
Lynn-Indora Edmond

The James M. Johnston Distinguished Senior Award in the Undergraduate Program
Sierra Hope Lyda

The James M. Johnston Distinguished Senior Award in the Nursing Program
Jake Christopher Edwards

The Alexander Julian Prize
Tracie Elizabeth Hayes

The Brenda W. Kirby Award
Jaelyn Taylor Coates

The Mary Turner Lane Award in Women's and Gender Studies
Elisa Michaela Johnson

The Irene F. Lee Award
Srishti Dasarathy

The Robert White Linker Award
Matthew Scott Renn

The Class of 1956 Livas Award
Mildred McGehee Dasher

The Ernest L. Mackie Award
Keegan Kean McBride

The Willie P. Mangum Medal in Oratory
Tyler Wayne Clay

The George C. Marshall Award
Erik Michael Kellomaki

The McNally Award for Excellence in Geography
Ian Michael Gallager

The National Pan-Hellenic Council Award
Summer Christen Holmes

The Howard W. Odum Undergraduate Sociology Award
Joshua Taylor Green

The Panhellenic Council Woman of the Year Award
Halie Madison Ellinger

The John Johnston Parker Jr. Medal for Unique Leadership in Student Government
Kamieo Le'Trice Lewis

The Wallace Ray Peppers Award in Performance of African and African American Literature
Elvin Jarrod James

The L. Richardson Preyer Award for Excellence in Political Science
Marques Ray McPhail

The Kenneth C. Royall Award
Reghan Katherine Horman

The Louis D. Rubin Jr. Prize in Creative Writing
Heather Pilar Wilson

The J. Maryon Saunders Award
Sarah Elizabeth Crownshaw

The Sessoms-Meyers Excellence in Recreation Administration Award
Jessica Elaine Cox

The Paul E. Shearin Outstanding Senior Award in Physics
Tyler Davis Blanton
Eric Paul Boyers

The Hampton Shuping Prize
Anne Burke Baldridge

* *Chancellor's Award*

Bland Simpson Prize in Creative Writing
Jacqueline Kennedy, *First Place*
Matthew Kerber, *Second Place*

The Earl Slocum Band Award
Jonathan Robert Minnick

The Keith Shawn Smith Award for Community Development and Mentorship
Madison Scott Alexander

The Walter S. Spearman Award
Jeremy Alexander McKellar

The Sport Clubs Council Achievement Award
Eric Hardin Rossitch

The Ria Stambaugh Undergraduate Award for Excellence in German
Amelia English Wallace

The Sterling A. Stoudemire Award for Excellence in Spanish
Wilson Victoria Storey

The Algernon Sydney Sullivan Award
Vishal Reddy
Ajene Nicar Robinson-Burris

The Albert Suskin Prize in Latin
Kristina Wendi Cheung

The Jim Tatum Memorial Award
Paige Elizabeth Neuenfeldt

The Ferebee Taylor Award
Jane Quinn Jenkins

The Venable Medal
Mary Kaitlyn Tsai
Hongyu Zhong

The Op White Prize in Geology
Eric Alexander Barefoot

The Worth Award
Nathan Lewis Smith

STUDENT ORGANIZATION AWARDS

Carolina Center for Public Service

Buckley Public Service Scholars
Elizabeth Stuart Agnew
Saima A. Akbar
Alexis Danielle Akeyson
Shad Albarazanji
Madison Murphy Alexander
Jerome M. Allen
Paris Caitlin Alston
Ashley Logan Andrews
Samantha Asofsky
Callie Ann Bader
Kendall Adrianne Bagley
Courtney Elisabeth Bain
Julia Katharine Baker
Marissa Bane
Haley Barefoot
Carrie Lorraine Barlow
Sophie Grace Bergmann
Emma Leigh Berry
Jourdan Jillian Black
Julianne Blackburn
Marnie Lalon Blalock
Leslie Samuel Bright III
Michelle Brint
Molly Mason Bruce
Caylin Rachel Bullock
Kierra Larue Campbell
Alia Brielle Capone
Amber Marie Cassady
Katherine Cavagnini
Ivana Chan
Sarah D. Chen
Nainisha Chintalapudi
Connor Michael Choka
Kimberly Danielle Clarida
Erika Marie Clary
Allison Clayton
Yasemin Canan Cole
Caroline Basnight Collier
Casey Daniel Collins
Katherine Anne Cordova
Thalita Maria Cortes
Austin Chapman-Lovette Cromer
Jamilah Dawkins
Julia Demarest
Caroline Laurens deSaussure
Olivia DeSena
Adeline Elise Dorough
Noopur Doshi
Cory Eaton
Lynn-Indora Edmond
Mercallis Edmund
Le Feng
Chamara Anthony Fernando
Milan Noel Flanagan
Halah Flynn
Evelyn Alexandra Ford
Jacob Anderson Ford
Nicole Frey
Lauren Elizabeth Fulcher
Brianna Diane Gaddy
Ian Michael Gallager
Anita Gandhi
Ariana Cecilia Gavin
Michelle Nicole Gay
James Thomas Gooding III
Lindsay Gorman
Hailey Louise Gosnell
Megan Seema Gurjar
Chelsea Gustafson
Rachel Virginia Hagerman
Lama Khalil Haidar
Jessye Lemley Halvorson
Emma Lee Hanmer
Anika Hannan
Claire Louise Hannapel
Courtney Marie Hardy
Renisha Harris
Morgan Lynn Herman
Jennifer Loraine Heyward
Jacob Rhys Higdon
Jade Hinsdale
Hanha L. Hobson
Emily Walker Hodgin
Daniel Peter Hogenkamp
Reghan Katherine Horman
Olivia Horton
Lauren Hubner Howland
Nicole Lane Huntley
Atima Huria
Phanna Iamlek
Daniel James Irvin
Alexandra Eva Isaacs
Catherine Jackson-Jordan
Mitchell Prescot Jester
Virnaliz Jimenez
Sloan Yvette Johnson
Rebecca McKee Jordan
Geneva Sara Melquist Jost
Ashley Karoline Joyce
David B. Joyner
Miranda Kalbach
Chloe Alistair Karlovich
Cassandra Karlsson
Laurel Ann Keefer
Sara Ali Khan
Yasmin Singh Khera
Isabella Hye Eun Kim
Tirumala Devi Kodavanti
Chelsea Leigh Krivanek
René Marcella Kronlage
Amanda Marie Kubic
Helen Sophie Kyriakoudes
Victoria Lee Lai
Kimberly Abigail Lassiter
Diane Nicole Leadbetter
Mia Lei
Vianey Lemus Martinez
Szu-Aun Lim
Ying Lin
Lara Liszka
Kamaara Jordan Lucas
Danielle Luffman
Briana Nicole Macon
Christine Elizabeth Malarkey
Mridula Manoj
Dana Mansfield
Morgan Elizabeth Marin
Sara Kathryn Mayson
Sean Kevin McClung
Katelyn Leigh McIntosh
Danielle Elizabeth McLaughlin
Sarah R. McShane
Anna Meade
Sumanjit Mehmi
Shelby Elizabeth Miller
Sa'a Mohammed
Sarah Molina
Leslie Morales
Michael Glenn Morrison II
Sarah Morton
Katherine Hannah Mulligan
Anissa Nicole Neal
Ryan Jacob O'Hara
Marie Claire O'Leary
Kaitlyn Oakley
Temitope Olofintuyi
Chisimdi Onwuteaka
Nastassja Ortiz
Merrick Robinson Osborne
Pranati Laxmi Panuganti
Daniel Stuart Parker
Meredith Grace Parker
Scott Benjamin Parker
Gunjan Patel
Pooja Patel
Preeya Atul Patel
Radha Piyush Patel
Richa B. Patel
Mihir Pershad
Daniel Peters
Holly Pittard
Caila Prendergast
Amber Pritchard
Danny Rahal
Gayatri Rathod
Ifra Rehman
Joy-Lynn Dawn Rhoton
Ajene Robinson-Burris
Chandler Rock
Destiny Rogers
Troy Kay Royal
Nia Chantelle Rush
Shauna Marie Rust
Sean Nicholas Ryan
Hilda Isabel Santiago
Olivia Sawh
Mary-Katherine Scheppegrell
Kayla Ann Schliewe
Hayden Elizabeth Schober
Addie Schoenberger
Dasha Shaw
Alexander Dean Sherry
Erica Nicole Silvestri
Brittany Nicole Simpson
Anushree Kristie Singh
Hannah Christine Single
Cecilia Maria Smetana
Janell Kae Smith
Claire Smith
Megan Nicole Stanley
Amandla Kesi Stanley
Andrea Nicole Stewart

* *Chancellor's Award*

Jessica Wendy Stickel
Charlotte McIlwaine Story
Julia D. Stroup
Elyse Marie Sulkey
Pallavi Surana
Catherine Louise Swift
Melissa Swope
Kelly Rebecca Tan
Christiana Taylor
Laura Amber Thomason
Courtney Elizabeth Turner
Cade Warner Underwood
Yushan Wang
Mary Katherine Ward
Grace Millard McCollum Ware
Angel Hannah Washington
Katherinne Shannier Wawrzonek
Hannah Suzanne Webster
Katherine Wiley
Keadija C. Wiley
Conor Addison Winters
Rachel Nicole Woolridge
Rhea Wyse

Davis Projects for Peace Award
Diwash Thapa

Robert E. Bryan Public Service Award
Gayatri Rathod

The Dialectic and Philanthropic Societies

*The Willie P. Mangum Medal in Oratory**
Tyler Wayne Clay

Office of Fraternity and Sorority Life and Community Involvement

*The Greek Alliance Council Award**
Nayira Inez Warren

The Interfraternity Council Man of the Year
Peter Elliot Diaz

*The National Pan-Hellenic Council Award**
Summer Christen Holmes

*The Panhellenic Council Woman of the Year Award**
Halie Madison Ellinger

Honor Society Initiates 2015–2016

Gamma Sigma Alpha
Shelby Miller, *President*
Carol DeSalva, *Phi Mu*
Katie Henning, *Phi Beta Chi*
Olivia Huneycutt, *Sigma Alpha Lambda*
Rachel Metcalf, *Phi Mu*
Elizabeth Payne, *Phi Beta Chi*
Lissette Payne, *Phi Mu*
Bailey Pennington, *Sigma Sigma Sigma*
Christine Stone, *Chi Omega*
Mikala Whitaker, *Kappa Kappa Gamma*

Order of Omega
Emily Powell, *President*
Zach Aldridge, *Phi Gamma Delta*
Ann Adair Clark, *Kappa Kappa Gamma*
Mahari Conston, *Alpha Kappa Alpha*
Pamela Devia, *Sigma Sigma Sigma*
Peter Diaz, *Phi Delta Theta*
Laura Dromerick, *Alpha Delta Pi*
Carly Duvall, *Sigma Sigma Sigma*
Elizabeth Fleischer, *Pi Beta Phi*
Morgan Focas, *Pi Beta Phi*
Spencer Goodson, *Delta Delta Delta*
April Hamer, *Pi Beta Phi*
Shy'Kiya Lee, *Alpha Kappa Alpha*
Jaymee Miller, *Alpha Kappa Alpha*
Julia Mullendore, *Delta Delta Delta*
Bobbie Nguyen, *Alpha Kappa Delta Phi*
Bailey Pennington, *Sigma Sigma Sigma*
Michaela Rankins, *Alpha Kappa Alpha*
Sonia Schrager, *Kappa Kappa Gamma*
Kaley Vead, *Alpha Chi Omega*

Office for Undergraduate Research

Carolina Research Scholars
Catherine Anderson
Marissa Bane
Eric Barefoot
Timothy Barry
Lauren Bauer
Jordan Bishop
Eleanor Brightbill
Jules Carter
Erika Clary
Yasemin Cole
Kirsten Consing
Emma D'Agostino
Srishti Dasarathy
Alysa Delgado
Olivia DeSena
Kelly Duffy
Peter Fan
Le Feng
Andrew Fleming
Ariana Gavin
Hanna Gierman
James Gooding III
Hailey Gosnell
Apoorva Gupta
Chelsea Gustafson
Isaac Haniff
Crystal Johnson
Eloise Joubert
Chloe Karlovich
Stewart Kerr
Sara Khan
Jang Won Kim
Michelle Kramer
Alexander Lee
Donna Li
Szu-Aun Lim
Duri Long
Tafadzwa Matika
Sarah Molina
Bobbie Nguyen
Pranati Panuganti
Tabitha Privott
Danny Rahal
Sierra Reid
Shauna Rust
Michael Sakano
Coertney Scoggin
Jackson Seagroves
Karen Sieber
Nathan Smith
Jacob Smith
Andrea Stewart
Charlotte Story
Zhiyi Su
Amanda Sztein
Ian Tsun
Zachary Tucker
Anne Whitacre
Katherine Wiley

SONJA HAYNES STONE CENTER FOR BLACK CULTURE AND HISTORY

*The George Moses Horton Award for Multicultural Leadership**
Kierra LaRue Campbell

OFFICE OF DISTINGUISHED SCHOLARSHIPS

Boren Scholarship
Lily Herbert

Carnegie Junior Fellows Program
Caroline Zullo

Churchill Scholarship
Blake Marie Hauser

DAAD: Germanic Academic Exchange Service, Undergraduate Awards
Christian Prescott Loftin

Gates Cambridge Scholarship
Larry Han
Matthew James Leming

Gilman International Scholarship
Mohamed Dumarieh
Annalee Harkins
James Hoopes
William Salazar
Boya Wang

Goldwater Scholarship
Larry Han
Mary Kaitlyn Tsai

Hollings NOAA Scholarship
Srishti Dasarathy

Marshall Scholarship
James Scott Williams

Schwarzman Scholars Program
Larry Han
Maximillian Peter Montgomery Seunik

UNIVERSITY DISTINGUISHED SCHOLAR GRADUATES

Mark R. Braswell Scholars
Yana Ginzburg
Taylor Webb

Carolina Scholars
Jacob Baldwin
Jacob Barach
Lonnie Carraway
Augusta Dell'omo
Matthew DeMay
Daniella Dworschak
Derrick Flakoll
Benjamin Groh
Chloe Hamilton
Jacob Higdon
Daniel Irvin
Cole Johnson
Catherina Leipold
Frances Murphy
Nicholas Neuteufel
Olivia Nicolaus
Lincoln Pennington
Erin Posas
Emily Riederer
Elizabeth Santiago

Jared Scruggs
Nathan Smith
Elaine Stackhouse
Isabelle Voler

Eve M. Carson Memorial Scholars
Michael Christopher Adams
Paige Kathleen Nielsen
Nancy Randolph Smith

Chancellor's Science Scholar
Bemnat Agegnehu

Coker-Fox Scholars
Elizabeth Agnew
Sarah Claiborne
Sara Mayson
William Patrick

College Fellows
Rangoli Bhattacharjee
Raymond Blackwell
Emma Boyd
Galen Burns-Fulkerson
Cole Carter
Casey Collins
Matthew Coss
Vivek Dakoriya
Hayley Dane
Peter Fan
Moriah Glady
Forrest Li
Morgan Marin
Lindsey Mendez-Peer
Michael Morrison
Hunter Ripberger
Frank Silva
Prashanth Sai Sankar
Matthew Spangler
Jason Wang

James R. Copland Jr. and Lillian G. Copland Scholar
Marc Gutierrez

Josephus Daniels Scholar
Brianna Gaddy

Founders Scholars
Paris Alston
Devin Nusbaum
Hannah Sandy

H. Allen Gant II – Davis United World College Scholars
Zakhele Dlamini
Alison Schaefer

Innovation Scholars
Andrew Bauer
Kevin Jang

H.W. Jackson Academic Scholars
Andrew Goins
Genevieve Jing
Noah Lieberman
Brian Lim
Matthew Lovejoy
Alan Lu
Samantha Richards

James M. Johnston Scholars
Syed Ahmed
Saima Akbar
Zakary Brown
Megan Connor
Bradley Davis
Kristen Deaton
Zachary Fisher
Margaret Garner
Hannah Haas
Sierra Lyda
Keely McKenzie
Emma McNairy
Andrew McThenia
Jordan Nash
Quiara Shade
Morganne Staring
Molly Stein
Preethika Sundararaj
Andrew Stowe
Catherine Travis
Cade Underwood
Avery Wells
Wynter Wolff
Yu Wu
Li Zhang

James M. Johnston Undergraduate Nursing Scholars
Jake Edwards
Lauren Fox

William R. Kenan Jr. Music Scholar
Mark Storey

Fred Morrison Scholars
Marley Cowan
Jori Fafoulas
Toyah Johnson
Miranda Kalbach
Jade Mills
Monica Patel
Makayla Proctor

Old Well Scholars
Joshua Altman
Jack Largess
Alyssa Luck
Max Malter

Herbert and Mayme Pegg Scholars
Keith Chapelle
Austin Cromer
Katy Davis
Alexander Gerber
Marcus Johnson
Isabelle Lanser
Carly York

Alston Pleasants Scholar
Samuel Nixon

Joseph E. and Grace Needham Pogue Scholars
Destiny Blue
Kelsey Ford
Chiraayu Gosrani
Gregorio Lara
Joseph McCrary
Jeremy McKellar
Suzanne McMillan
Marques McPhail
Leslie Morales
Judith Robbins

Colonel John H. Robinson Scholars
Samantha Asofsky
Adele Bernard-Citer
Kelly Carson
Elisabeth Clymer
Emma D'Agostino
Diana Dayal
Zachary Dvorak
Saideep Gona
Joshua Green
Courtney Hardy
Kathleen Harris
Mark Hensel
Nataniel Holtzman
Mariya Husain
Szu-Aun Lim
Christian Loftin
Sarah McShane
Alex Nusbickel
Brianna Pearson
Hayden Saunders
Subodh Selukar
Calvin Snyder
Matthew Springfield
John Stewart
Charlotte Story
Nicholas Tobey
Cole Wilhelmi

Caroline and Thomas Royster Scholars
Elizabeth Brooks
Kelly Duffy
Kari Fowler
William Inabnit
Amir Jabr
Zachary Layne
Matthew Renn

Marvin B. Smith Jr. Scholars
Michael MacGregor
Richard Miller

W. Roger Soles Scholar
Margaret Garner

University Trademark Merit Scholar
Lauren Fulcher

William Whitaker Scholars
Mackenzie Davis
Gabrielle Garland
Donald Jones
Jessica Lancaster
Kathryn Murray
Brian McGrady
Emily Olinger
Andre Rowe
Cory Smith

Thomas Wolfe Scholar
Heather Wilson

GENERAL ALUMNI ASSOCIATION SCHOLARSHIPS

Douglas S. Dibbert Scholar
Caitlyn Hollowell

GAA Scholars
James Lilley
Brendan McBennett
Wilson Roseman
Kelly Stewart

Light on the Hill Society Scholars
Jordon "Kalil" Duncan
Mohaned M. Ghanem
Courtney M. Hardy
Anissa N. Neal

Julius Peppers Scholar
Jeremy A. McKellar

The J. Maryon Saunders Award
Sarah Elizabeth Crownshaw

MOREHEAD-CAIN SCHOLARS

Class of 2016
William Perry Almquist
Krunal Dhaval Amin
Eric Alexander Barefoot
Nicole Lawton Behnke
Claire Elizabeth Bennett
Jacob Jablon Bernstein
Turker Bulut
Stephen Bundy Cone Jr.
Peter Elliot Diaz

* *Chancellor's Award*

James Patrick Ellsmoor
Sam Michael John Fletcher
Samantha Rose Forlenza
Ian Michael Gallager
Tavia Isaura González Peña
James Thomas Gooding III
Lindsay Paige Gorman
Emily Madeleine Grohs
Larry Han
Blake Marie Hauser
Alice Haiyu Huang
Dicle Kara
Ina Kosova
Neha Khurana Kukreja
Hunter Jennings Latimer
Caroline Kellogg Lowery
Patrick Lung
Ariana Tamar Miller Lutterman
Karine Lisa Martel
Harold Brent McKnight Jr.
Zakaria Merdi
Channing John Mitzell
Sarah Lee Molina
Caroline Mercer Orr
Emma Anne Park
Robert Winfield Pierce
Cecilia Stefany Polanco
Imogen Fiona Mackenzie Schofield
Elizabeth Therese Schroeder
Taylor Lane Sharp
John Matthew Sincavage
Elizabeth Pearl Soffer
Catherine Louise Swift
Andrew Henderson Wells Jr.
William Robert Whitehurst Jr.
James Scott Williams
Kacey Landon Williams
Kristyn Elizabeth Wilson
Rhea Jane Wyse

ROBERTSON SCHOLARS

Class of 2016
Anne Burke Baldridge
Joseph Michael Calder Jr.
Pranav Nagaraj Haravu
Alexander James Hatzis
Fedor Dmitriyevich Kossakovski
Evan Christian Lumbra
Sowmya Aditi Mangipudi
Tafadzwa Nyasha Matika
Jacob Roland Rosenberg
James Anthony Smith

ROYSTER SOCIETY OF FELLOWS

August 2015
Donovan Anderson, *City and Regional Planning*
Diana Gomez Correal, *Anthropology*
Elizabeth Ellis, *History*
Megan Kovac, *Education*
Caleb Hicks, *Linguistics*
Akin Oni-Orisan, *Pharmaceutical Sciences*
David Stark, *Physics and Astronomy*

December 2015
Samantha Attard, *Nutrition*
Xin Liu, Romance *Languages*

May 2016
Christine Agnew-Brune, *Health Behavior*
Brooke Bauer, *History*
Jingbing Bai, *Nursing*
Christa Bentley, *Music*
Nelson Brunsting, *Education*
Tomas Gallareta Cervera, *Anthropology*
Jes Coyle, *Biology*
Lauren Du Graf, *English and Comparative Literature*
Sam Flanders, *Economics*
Erik Forseth, *Physics and Astronomy*
Isaura Godinez (Master's), *Anthropology*
Gary Guadagnolo, *History*
Matthew Horne, *Economics*
Susan Kleiman, *Nutrition*
Stephen Larson, *Geography*
Robert McDonald, *Communication Studies*
Pablo Molina, *Classics*
Melanie Napier, *Epidemiology*
Shenandoah Nieuwsma, *Religious Studies*
Edema Ojomo, *Environmental Sciences and Engineering*
Casey Rawson, *Information and Library Science*
Daniel Smith, *Public Policy*
Lisa Spees, *Public Policy*
Jason Staples, *Religious Studies*
Melecia Wright, *Nutrition*
Lei Zhang, *Materials Sciences (CASE)*

Scholastic Honor Societies

PHI BETA KAPPA

Officers
Harold Brent McKnight Jr., *President*
Amanda Marie Kubic, *Vice President*
Joseph Calder Jr., *Recording Secretary*

2015–2016 Initiates
Dylan K. Abolafia
Adam Muhammad Aji
Saima A. Akbar
Alexis Danielle Akeyson
Marie Elizabeth Alexandre
Alicia Hayne Alford
Robert Carlisle Alfredson
Andrew C. Allen
Andrew Daniel Allen
Mason Taylor Allen
Brian C. Angelino
Hannah Louise Angle
Samantha Julia Asofsky
Sierra Johleen Atwater
Rohini Ravi Bahethi
Katharine A. Bailey
Anne Burke Baldridge
Samuel Lester Barge
Renata Butler Barsanti
Brian Patrick Bartholomew
Lauren Nicole Bauer
Tyler G. Beames
Grayson Parke Berger
Sophie Grace Bergmann
Jacob Jablon Bernstein
Marnie Lalon Blalock
Dayton Sanders Bobbitt
Santosh Bodepudi
Olivia Ann Boorom
Anthony Michael Boutelle
Susana Lea Bracewell
AnaAustin Braswell
Shannon Brien
Alexander Nicholas Brown
Zachary Mason Brown
Molly Mason Bruce
Jonathan Alan Buchleiter
Sean Michael Buitendorp
James Coleman Bumgardner
John Bunker
Joshua David Byrd
Lexi Nicole Byrd
Mehmet Calikoglu
Katherine Elizabeth Campbell
Elizabeth Mary Carbone
Tyler E. Carson
William Thomas Jeffrey Carter
Katherine L. Cavagnini
Jacqueline K. Cebula
Meera Chakravarthy
Sarah E. Chaney
Sarah Dong Chen
Wei Chen
Kristina Cheung
Stephanie Ann-wei Chien
Borahmie Chon
Kathryn Citrin
Sarah Grice Claiborne
Casey D. Collins
Olivia Colson
Stephen Bundy Cone Jr.
John Robert Cordes
Ryan James Costanzo
Maggie Lorraine Creamer
Griffin Bennett Creech
Anne Cross
Giulia Curcelli
Emma H. D'agostino
Katharine E. Daniel
Lucy W. Davis
Tali Rose de Groot
Daphne Nadine De Leener
Steven R. DeBiase
Augusta Dell'omo
Carol Kathleen DeSalva
Amy Dingler
Noopur Shaileshkumar Doshi
Kelly A. Duffy
Zachary Dvorak
Shannon Michelle Dwyer
Suzahn Ebert
Kierra Jean Falbo
Ken-shih Fan
Fuhui Fang
Le Feng
Emily Macourt Jenkins Fennell
Abigail Rose Ferrell
Abigail Bishop Fisher
Blair Flint
William Fredrick Foos Jr.
Lindsey Kristin Freeman
Davis J. Fussell
Ian Michael Gallager
Julie Gao
Nancy Gao
Emily Lynn Gebbie
Henry Gong
Tavia Isaura Gonzalez Pena
James T. Gooding
Lindsay P. Gorman
Chiraayu Piyush Gosrani
Joshua Howard Gray
Joshua Taylor Green
Sheridan B. Green
Damien Gu
Emma Gwynneth Gutt
Zakeria Haidary
Christian Stirling Haig
Alexandra Olga Hamberis
Caroline Alyce Hamilton
Kyle Harmon
Andrew William Harrelson
Kathleen Harris
Daniel C. Hawke
Tracie Elizabeth Hayes
Katherine Anna Henning
Christine Eleanor Henry
Andreas Michael Hill
Madison Leigh Hoke
Wesley Cole Holland
Aaron D. Homburger
Daniel James Horschler
Sarah Elizabeth Howard
William Crossan Howland
Sandra Leland Hoyt
Brenham Hughes
Mariya Husain
Caleb Nathaniel Jadrich
Shafali Fleur Jalota

Laura James
Christopher Ian Jenks
Genevieve Pu Jing
Lucas Collier John
Courtney E. Johnson
Rachel Johnson
Sean Christopher Johnson
Skyler Gentry Jones
Matthew Kauffman
Erik Michael Kellomaki
Thomas Marshall Kennedy
Scott Kenney
Samuel Robert Kerr
Yasmin Singh Khera
Yongkyum Kim
Deborah Lynn Kiserow
Connor Ko
Andrew Joseph Koltun
Ina Kosova
Fedor Dmitriyevich Kossakovski
Arvind Ram Krishnamurthy
Neha Kukreja
Adam Paul Kunesh
Michael D. Lackey
Andrea Lane
India Leigh Lassiter
Brianne Nicole Lawton
Catherina Laura Cathleen Leipold
Caroline H. Leland
Griffin Frederick Lerner
Zichao Li
Linnea Magdalene Ilgen Lieth
Stephanie Rayna Liffland
Zachary Daniel Locklear
Amanda C. Lohmann
Caroline Kellogg Ann Lowery
Ariana Tamar Lutterman
Sierra H. Lyda
Michael Francisco MacGregor
Zachary Colin MacKenzie
Erik Glen Maloney
Brianne Nicole Marino
Devon Francis Martin
Brendan McBennett
Keegan McBride
Max Felmey McConnell
Emma Elizabeth Mcfarlane
Matthew William McHenry
Brooke McKenna
Julia Isabelle McKeown
Brett McMillan II
Hamilton Shahoda Merrill
Andrew Wadsworth Meyer
Claudia N. Meyer
Lorena Millo
Jonathan Robert Minnick
Frank Anthony Minutillo
Julia Elizabeth Mullendore
Katherine H. Mulligan
Autumn Jade Murray
Natalie Myrick
Michael Robert Nahouraii
Brooke L. Namboodri
Rachel Lee Nesbit
Claire Rolin Nielsen
Bryan Francis Nixon
Kylie Nowicki
Alex Justin Nusbickel
James Bertrand O'Bryan
Catherine Marie O'neill
Joshua William Ohaus
Michael Ruggeri Olson
Caroline Mercer Orr
Daniel Joseph Peters
Serafim Mixail Pistiolis
Alexandra Key Polk
Stuart L. Polk
Rachel Bethany Poulin
Zack Austin Powers
Harish Pudukodu
Elizabeth Mulkern Raines
Arianna Nicole Ray
Vishal S. Reddy
Madeline Reich
Carolina Reilly
Kyle D. Riker
Katherine Ashe Roethling
Sarah E. Ross
Laura Therese Sale
Pranavi Sanka
Madeleine Kresin Scanlon
Sarah Estelle Schauber
Sophia M. Schermerhorn
Erik Reinhard Schoning
Elizabeth T. Schroeder
Emily Brooks Scott
Danielle Shivana Seetaram
Kristen Segars
David Serody
Caitlin Mateer Seyfried
Siddharth Shankar
Dylan Sheedy
Yihui Sheng
Alexis Worthington Shiro
Randall Allen Short
Karen Sieber
Nicole Glen Siegel
Anita Simha
Julia D. Simpson
John Wilson Sink
Otis B. Skipper
Gabrielle M. Smith
James Evan Smith
Michael Thomas Smith
Kate E. Stanton
Michael Eric Steinbacher
John B. Stewart
Kelly Nicole Stewart
Justin William Stidham
Laura Strenk
Houston Lee Summers
Jasmine K. Sun
Eric Jordan Surber
Catherine Louise Swift
Caroline B. Szyperski
Aaron L. Taylor
Stephanie Tepper
Jonathan Robert Thompson
Nicholas Daniel Tobey
Enrique Toloza
Graham C. Treasure
Andrew William Trexler
Brooke Leigh Turnamian
Kiera Brigh Turner
Elisabeth I. Ulrich
Natasha Vazquez
Hannah Olivia Verrilli
Ryan A. Visser
Lan-Anh Vo
Bryan S. Wang
Victoria Anne Waters
Madison Elizabeth Watts
Andrew H. Wells Jr.
James C. Wheeler
Hannah F. Whited
Julian Daniel Willett
Catherine Frushour Wilson
Colin P. Wilson
Kristyn Elizabeth Wilson
Brandon Peter Wong
Emily R. Wood
Carly Anne Wooten
Eleanor Grace Wu
Ting-Wei Xiang
Zimeng Xie
Mei Yan
Molly Elizabeth Yandle
Mitchell Young
Lydia S. Youngblood
Young Jun Yun
Zoe Alyssa Zakin
Eva Zarzar
Yiming Zhang
Hongyu Zhong
Tatjana Zimbelius-Klem
Jerome John Zinn
Alexander David Zorich

Honorary Societies

FRANK PORTER GRAHAM GRADUATE AND PROFESSIONAL HONOR SOCIETY

Graduate and Professional
Julia Barnard
Brian Coussens
Adam Engel
Christine Galardi
Dylan Glatt
Mara Howard-Williams
Rachael Isom
Anel Jaramillo
Patrick O'Shea
Nelson Pace
Kayla Peck
Dennie Tarasi
Tojan Rahhal
Sertanya Reddy
Kyle RoederSheimer

Honorary Inductee
Josefa Lindquist

NATIONAL RESIDENCE HALL HONORARY

Officers
Matthew Renn, *President*
Maelin Harris, *Vice President*
Susan Gleaves, *Executive Administrator*
Shreya Shah, *Recognition Chair*
Madison Alexander, *Conference Chair*
Travis Broadhurst, *Service Chair*

2015–2016 Inductees
Dylan Bailey
Erin Carter
Hannah Carter
Alaina Cole
Blake Fulton
Anastazja Harris
Brandon Hutchinson
Claire Johnson
Katelyn Merendino
Madeline Pliska
Rebecca Rouse
Kate Vancil
Beatrice Williams

*The Robert White Linker Award**
Matthew Scott Renn

ORDER OF THE BELL TOWER

Officers
Evan Lumbra, *President*
Drew Roberts, *Secretary*
Julia Stroup, *Ambassador Coordinator*
Amanda Lee, *Publicity Coordinator*

Fall 2012 Initiates
Adeline Dorough
Samantha Forlenza
Jordan Lem
Amandla Stanley

Fall 2013 Initiates
Brittany Bramwell
Randolph McKinnie

Spring 2014 Initiates
Jasmine Jennings
Hannah Shaw
Nicole Siegel

* *Chancellor's Award*

Spring 2015 Initiates
Maya Dantzler

Order of the Bell Tower Outstanding Senior Awards
Amanda Lee
Julia Stroup

Order of the Bell Tower Laurie Norman Award
Drew Roberts

HONORS CAROLINA

Class of 2016
Elizabeth S. Agnew
Saima A. Akbar
Mateen Alinaghi
William Perry Almquist
Paris C. Alston
Krunal Amin
Emily Michelle Anderson
Anurag Angara
Gustavo Armada
Samantha Julia Asofsky
Megan Marie Aubrey
Catherine Whitfield Ayres
Courtney Elisabeth Bain
Elizabeth Davis Baker
Lauren Elizabeth Baker
Marissa Joy Bane
Allison N. Bardill
Eric A. Barefoot
Aubrey Elizabeth Barker
Emily K. Barrus
Brian Patrick Bartholomew
Andrew Royce Bauer
Ellery Nicholas Beard
Gertrude R. Becker
Nichole Behnke
Claire Elizabeth Bennett
Adele Bernard-Citer
Jacob Jablon Bernstein
Rangoli Bhattacharjee
Ethan Vincent Biamonte
Dylan Hart Blackwell
Raymond Edward Blackwell
Tyler Davis Blanton
Jacob Ellis Bogerd
Katherine Boliek
Emma Louise Boyd
Mason David Boyles
Leslie Samuel Bright
Eleanor L. Brightbill
Samantha Jeanne Brookshire
Molly Mason Bruce
Jacob Bruney
Jonathan Alan Buchleiter
Turker Bulut
Joseph Calder Jr.
Mehmet Calikoglu
Virginia Callison
Stephanie Cassell
Michael A. Catalano
Wei Chen
Kristina Cheung
Nainisha Chintalapudi
Brittany Jordan Cole
Shannon M. Cole
Yasemin Canan Cole
Casey D. Collins
Megan C. Connor
Thalita Maria Cabral Cortes
Glynis Longworth Coyne
Maggie Lorraine Creamer
Natalie Lorraine Curnes
Emma H. D'agostino
Vivek Ashwin Dakoriya
Hayley P. Dane
Marty Alexander Davidson II
Bradley Davis
Connor J. Davis
Katy Lynn Davis
Nicole R. Davis
Diana Dayal
Cyara Gabriella de Lannoy
Matthew Stephen De May
Augusta Dell'omo
Jennifer A. DeLong
Julia Elizabeth Demarest
Carol Kathleen DeSalva
Peter Elliot Diaz
Zakhele S. Dlamini
Thomas Andrew Doochin
Brian Lee Douglass
Kelly A. Duffy
Marisa Hill Dunn
Zachary Dvorak
Daniella Margret Dworschak
Shannon Michelle Dwyer
Hannah Elizabeth Eason
Kaity Yu Emerson
Margaret Hannah Engellenner
Sarah Jessica Hodges Everhart
Peter Jinchan Fan
Charlotte Miriam Fare
Matthew Fay
Le Feng
Chamara Fernando
Mary Kathryn Field
Derrick Grant Flakoll
Sam Michael John Fletcher
Anna Fosberg
Davis J. Fussell
Katherine Eleanor Gandy
Gina L. Garcia
Ariana Cecilia Gavin
Moriah C. Glady
Hailey C. Glover
Andrew Lenker Golba
Adam Golden
Patrick A. Goldin
Tavia Isaura Gonzalez Pena
James T. Gooding
Lindsay P. Gorman
Hailey Louise Gosnell
Chiraayu Piyush Gosrani
Lauren Blair Grady
Joshua Taylor Green
Marc Gutierrez
Hannah Brooke Haas
Marquis Hackett
Isabel Helena Hagood
Jackson M. Hall
Alexandra Olga Hamberis
Laura E. Hamon
Larry Han
Pranav Nagaraj Haravu
Courtney Hardy
Anastazja Harris
Kathleen Harris
Claudia Hartman
Blake Hauser
Morgan Lynn Herman
Jacob Rhys Higdon
Hanha Lee Hobson
Daniel Hogenkamp
Julia Hoover
Daniel James Horschler
Guanxiong Hu
Alice Huang
Daniel Irvin
Hailey Kay Jacob
Kevin Kao Jang
William Gage Jenkins
Sharon Jiang
Genevieve Pu Jing
Moriah Johnson
Laurel Ann Keefer
Elizabeth L. Kemp
Sara A. Khan
Min Jeong Kim
Deborah Lynn Kiserow
Alexis Deanne Kokoska
Fedor Dmitriyevich Kossakovski
Amanda Marie Kubic
Neha Kukreja
Debanjali Kundu
Dana Perry Landress
Jack Leland Largess
Edith Kwok Man Lee
Mia V. Lei
Catherina Laura Cathleen Leipold
Forrest Cui Li
Noah Lezin Lieberman
James Paul Lilley
Szu-aun Lim
Duri Long
Matthew Barlow Lovejoy
Caroline Kellogg Ann Lowery
Alan Lu
Alyssa Luck
Evan Christian Lumbra
Ariana Tamar Lutterman
Max A. Malter
Morgan Elizabeth Marin
Karine Lisa Martel
Tafadzwa Nyasha Matika
Sara Kathryn Mayson
Brendan McBennett
Elise McGlothian
Morgan Kelley McGowan
Julia Isabelle McKeown
Harold Brent McKnight Jr.
Sarah Rebecca Mcshane
Daniel Middlebrooks
Pedro Kenji Miola
Sarah Lee Molina
Lauren A. Moore
Mary Helen Moore
Nathan Moore
Michael Morrison
Mariauna Moss
Julia Elizabeth Mullendore
Frances M. Murphy
Natalie Myrick
Megan Neligan
Paige Elizabeth Neuenfeldt
Nicholas Kalani Neuteufel
Olivia G. Nicolaus
Alex Justin Nusbickel
Joshua William Ohaus
Chisimdi N. Onwuteaka
Caroline Mercer Orr
Merrick Osborne
Michelle Elie Osta
Derek Pace
Justin Matthew Pack
Jaslina Paintal
Amanda M. Panousis
Pranati Laxmi Panuganti
Emma A. Park
Maryanna H. Parker
William Jeffrey Louis Parker
Radha P. Patel
Shruti H. Patel
Dwight Johnathan Payne
Lincoln Ross Pennington
Michael J. Peralta
Mihir Pershad
Daniel Joseph Peters
Robert W. Pierce
Erin D. Posas
Tyler E. Powell
Shannon E. Powers
Emily J. Price
Joseph Alan Price
Eileen Margaret Quinn
Danny Rahal
Meera Vaishnavi Ramshankar
Kyle Rasmus
Gayatri Nitesh Rathod
Hunter Danielle Reavis
Samantha Maria Richards
Samantha Richman
Emily Elizabeth Riederer
Hunter H. Ripberger
Drew Wiley Roberts
Ajene N. Robinson-Burris
Ryan Rosenberg
Andrew D. Ross
Shauna Marie Rust
Sean Nicholas Ryan
Laura Therese Sale
Elizabeth Nicole Santiago

Hayden Samuel Saunders
Olivia Sawh
Mitchell M. Sayasene
Elizabeth T. Schroeder
Catherine Ellen Schumak
Jonathan Jacob Schwartz
Jared Parker Scruggs
Subodh R. Selukar
Quiara A. Shade
Avanti Vinay Shirke
Randall Allen Short
Nicole Glen Siegel
Frank A. Silva
Dorotea Skela
Kasey Skinner
Benjamin D. Smart
Cecilia Maria Smetana
Nathan L. Smith
Matthew W. Spangler
Antonio Devion Squire
Elaine Jeanette Stackhouse
Kevin James Stanfield
William Christopher Stelpflug
John B. Stewart
Justin William Stidham
Charlotte McIlwaine Story
Kyle Patrick Strickenberger
Avery Joseph Sullivan
Houston Lee Summers
Preethika Sundararaj
Catherine Louise Swift
Genevieve G. Taylor
Grace Alexandra Taylor
Michael Scott Taylor
Nicholas Daniel Tobey
Courtney Elizabeth Turner
Cade C. Underwood
Julia McBride Uribe
Caroline Kate Vilas
Isabelle Kelly Voler
Amelia English Wallace
Yushan Wang
Courtney Lynne Watts
Yaner Wei
Andrew H. Wells Jr.
Ava Noelle Wells
Madison Cooper Whalen
Emily B. Wheeler
William R. Whitehurst
Katherine Tay Wiley
Cole Edward Wilhelmi
John Stephen Wilhoite
Kayla Wilkinson
Julian Daniel Willett
Clara Elizabeth Williams
James Scott Williams
Catherine Frushour Wilson
Kristyn Elizabeth Wilson
Wynter M. Wolff
Brandon Peter Wong
Catherine Wood
Alan Wu
Peter Yu Wu
Rhea Wyse
Zimeng Xie
Minami M. Yoshizawa
Natalie Yosipovitch
Madelyn Rosalie Zeigler
Li Zhang
Yiming Zhang
Jingyi Zhao
Anan Zhou
Christina Zhou
Zhiren Zhu

Burch Program and Honors Study Abroad

2015 Burch Fellowship
Katherine Eleanor Gandy

2014 Burch Fellowship
Marissa Joy Bane

2015 William D. Weir Honors Fellowship in Asian Studies
Mitchell M. Sayasene
John Stephen Wilhoite

2014 William D. Weir Honors Fellowship in Asian Studies
Joseph Curtis Baldock
Brian Patrick Bartholomew
Virginia Williams Callison
Erin D. Posas

School Awards

The Kenan-Flagler Business School

UNDERGRADUATE BUSINESS RECOGNITIONS OF EXCELLENCE

Undergraduate Business Excellence in Entrepreneurship Award
Austin Helms

Undergraduate Business Excellence in Finance Award
Richard Miller

Undergraduate Business Excellence in International Business Award
Avery Shaw

Undergraduate Business Excellence in Management Communication Award
Alexandra Watson

Undergraduate Business Excellence in Marketing Award
Katherine O'Drobinak

Undergraduate Business Excellence in Operations Management Award
Jenniffer DeLong

Undergraduate Business Excellence in Organizational Management Award
Paige Neuenfeldt

Undergraduate Business Excellence in Real Estate Award
Camille Harry

Jimmy Garrell-Tabor City Award for Excellence in Community Service
Stetson Starkey

Jimmy Garrell-Tabor City Award for Excellence in Leadership
Christopher Jones

GLOBE Class of 2016
Stephanie Bui
Peter Chen
Cyara De Lannoy
Robbie Edmiston
Stefan Garval
Collin Gibbons
Lauren Gil
Spencer Gliddon
Hailey Jacob
Joseph Lucido
Michael Riccio
Saskia Schoeman
Andrew Stowe
Mansi Vakil
Isabelle Voler
Madelyn White

*The 2016 Hampton Shuping Prize**
Anne Burke Baldridge

Honorable Mention for Undergraduate Business Leadership and Service
Jacob Baldwin
Lauren Gil
Shane Goronkin
Page Nielsen
Dylan Rosenberg
Katherine Wagaman

Kenan Institute Leadership Fellows
Rangoli Bhattacharjee
Jacob Mendys

30th Annual Undergraduate Symposium Core Planning Committee
Juan Aguilera
Deena Cronson
Sarah Kowalski
Michaela Rankins
Dylan Rosenberg
Paige Zartman
Emma Gentry
2014
Jacob Baldwin
Brittany Kalmbach
Olivia Vos

2015 Undergraduate Symposium Service Award
Jacob Baldwin

UNDERGRADUATE BUSINESS MERITORIOUS SCHOLARSHIPS 2015-2016

Wayland H. Cato Jr. Merit Scholars Endowed Scholarship Fund
Christopher Jones

The Gene Clark Memorial Scholarship
Joseph Lucido
Christine Malarkey
Stuart Moody

James Wilford Clark Jr. Undergraduate Scholarship
Nicole Rose
Joseph Skavroneck

The William G. Daughtridge Jr. Study Abroad Fund
Zachary Schumacher

Wade S. Dunbar Jr. Undergraduate Scholarship Fund
Caitlyn Hollowell
Dylan Rosenberg
Robert Zawada

The Gregory C. Edmister Memorial Fund
Tracie Fowler

The Jimmy W. Garrell Tabor City Endowment Fund
Adam Block

The Ernest Mayo Undergraduate Scholarship
Carly Collette
Tyler Foulks
Andrew Shultz

* *Chancellor's Award*

James K. McLean Scholarship Fund
Juan Aguilera
Joseph Brown
Sean Kennedy
Andrew Sigarto
Carson Smith
Nathan Staub
Sharona Yen

Medlin Scholarship for Business and Liberal Arts
Caroline Drysdale
Megan Kramer
Grant Price
Austin Smith
Vamsi Yechoor

David S. and Christine C. Moss Scholarship
Casey Harris

The June and L. Gordon Pfefferkorn Jr. BSBA Study Abroad Fund
Zakary Brown

The Jason Ray BSBA Global Scholarship
Jervis Allison
Kenneth Kubitschek

The Barry Roberts International Fund
John Isemann

Edmund B. Ross III BSBA Endowment
Urvashi Chatterjee
Jacob Baldwin
Rickell Reid
Elizabeth Smetana
Stetson Starkey

E. Jackson Sapp Scholarship
Austin Dietz

Frank and Shelayne Sutton BSBA Excellence Fund
Nikita Godbole

James H. Toy Scholarship
Andrew Gawkins

The Helen Craig Wardlaw Fund
Collins Allison
Alexander Bales
William Bryant
Robert Edminston
Julie Neveleff
Emily Reiderer
Holden Sasser
Olivia Vos
Jeanie Zhao
Jess Zhu

The Edwina E. Woodbury Women in Business Endowment
Lauren Gil

The School of Dentistry

Omicron Kappa Upsilon National Dental Honor Society

2016 Initiates
Omar Samy AbdelBaky
Katherine Aram Avanesyan
Daniel Louis Bernstein
Michael Keeter Cvelich
Kelly Marie Lipp
Blake Patrick Nelson
Emilee Quinn Pilkington
Julia Blair Powell
Mary Lanier Zaytoun

Sigma Phi Alpha National Dental Hygiene Honor Society

2016 Initiates
Roxanne Dsouza
Hannah Roe
Elizabeth Kornegay
Shianne Webb

The School of Education

Mayo and Norma Bundy Scholarship
Alison Hunt

Gail Bunn Fellow
Caroline Dunevant

Patrick and Janet Carlton Award for Dissertation Research in Educational Leadership
Courtnee Danielle Cox

Frank Comfort Scholarship
Evelyn Alexandra Ford

Robert Wendell Eaves Scholarship
Hannah Whited

Susan Friel Graduate Student Stipend for Mathematics Education
Cydney Lunsford Bates
Michael L. Collins
Alexandra Earl Humphries
Caitlin Kearney
Nataki Jones McClain
Cassandra Regina Melvin
Lynn Holbrook Merrill
Morgan Kay Smith
Stefanie Wieland
Rhonda Rogers Wood

Galassi-Brown Award
Amasa Eythan Monroe

Virginia Carter Gobbel Graduate Student Award
Chassity Coston
Felicia Freeman
Kathryn Lois Murchison

Ira J. and Esther Gordon Fellowship
Melissa McWilliams

Graduate School One-Year Merit Assistantship
James Christoph Stutts

Graduate School Five-Year Merit Assistantship
Michael Harris Little

Vinnie Ireland Fellowship
Susan Hedges

James Yadkin Joyner Fellow in Educational Policy
Clyde Harrelson

Willie Hall Kennedy Scholarship
Melvin Carlton Ford

Carol and William Malloy Conference Travel Award
Elizabeth Arnold Coleman
Elizabeth Cutrer
Susan Hedges
Fikriye Eda Karacul
Brittany Lenhart

North Carolina Excellence Fellowship
Alecia N. Smith

Carol Mathews Peeler Scholarship
Erin M. Kerr

W.D. Perry Outstanding Student in School Counseling
Ashley Nicole Bennetone

Carole and Sam Roebuck Scholarship
Michelle Nicole Gay

William Self Graduate Fellowship
John Andrew Wachen

Dean E. Smith Scholarship
Caitlin Regina Schwagerl
Bryan S. Wang

Linnea Smith Innovations Fund Award
Seungeun Lee

Charles S. Templeton Scholarship
Meng-Ting Chen

The Graduate School

2016 Dean's Distinguished Dissertation Award
Jin Di, *Biomedical Engineering*
Jeffrey Erbig, *History*
Kayla Peck, *Biology*
Yang Liu, *Psychology*

2016 GEAB Impact Awards for Graduate Students: Outstanding Research Benefiting the State of North Carolina
Jacqueline Burgette, *Health Policy and Management*
Elizabeth Christenson, *Environmental Sciences and Engineering*
Anna Cope, *Epidemiology*
Gregory DeCandia, *Dramatic Art*
Luke Dodd, *Marine Sciences*
Ahmed Rachid El-Khattabi, *Economics*
Will Hall, *Social Work*

Sarah Hatcher, *Environmental Sciences and Engineering*
Ashley Johnson, *Biomedical Engineering*
Desinia Miller, *Toxicology PSM*
Andrew Monteith, *Biochemistry and Biophysics*
Brooke Nezami, *Health Behavior*
Derek Pamukoff, *Human Movement Science*
Pasquale Rummo, *Nutrition*
Justin Ridge, *Marine Sciences*
Dennis Tarasi, *Environment and Ecology*
Christine Tucker, *Maternal and Child Health*

The School of Information and Library Science

Susan Grey Akers Fellowship
Harika Boya
Rachael Annette Clemens
Anne Ligon Harding
Wei Hu
Bailey Ann Jones
Joseph Dupre Sanders
Haoyang Yan
Wanchun Zhao

Lester Asheim Scholarship
Rachael Annette Clemens
Ashlee Aeisha Edwards
Angela Patricia Murillo
Ericka J. Patillo

Baker & Taylor Scholarship for Summer Seminar to London
Anne Ligon Harding
Sara Christine Paschal

Baker & Taylor Scholarship for Summer Seminar to Prague
Meredith Hale
Sara Jean Thomas
Rebecca J. Williams

Beta Phi Mu Scholarship
Colin Post
Bess Powell Schrader

Lisa Burmeister Computer and Information Science Fellowship
Emma C. Boettcher

Carnegie Fellowship
Tara Pressley

Carolina Academic Library Associate (CALA)
Laura Kathleen Dimmit
Abigail Karin Flanigan
Rachel J. Hinrichs
Amelia W. Holmes
Daniel James Pshock
Ashlyn Elizabeth Velte
Rebecca J. Williams

Center for Research and Development of Digital Libraries (CRADLE) Fellowship
Rachel Claire Goatley

Elfreda Chatman Research Award
Emma C. Boettcher
Justin Paul Kreft

DigCCurr Doctoral Fellow
Angela Patricia Murillo
Sarah Ramdeen

Educating Stewards of Public Information Infrastructure (ESOPI) Fellowship
Maria Eleni Chiochios
Justin Paul Kreft

Michael Hooker Fellowship in Applied Networking
Yongsu Ahn
Harika Boya
David Andrew Cowhig
Jyotsna Krishna Sastrula

Margaret Ellen Kalp Memorial Fellowship
Sumayya Ahmed
Ryan Burch
Michael I. Chen
Maria Eleni Chiochios
David Andrew Cowhig
Nahali Ruth Croft
Jessica Dennise Dixon
Ashlee Aeisha Edwards
Laura Anne Fogarty
Julia Rose Glauberman
Rachel Claire Goatley
Meredith Hale
Anne Ligon Harding
Deborah Hirsch
Lawrence Edward Houston
Die Hu
Nnenna Ibeanusi
Sharon Kolling-Perin
Rita Kundu
David Lee
Mingyu Li
Dong Liang
Huiying Ma
Ericka J. Patillo
Tara Pressley
Mark Riddle
Rachel C. Sanders
Elizabeth Frances Shulman
Jeanne Kirkland Stroud
Sara Jean Thomas
Sarah Vlasity
Elizabeth Mwende Wachiaya
Qiongcheng Xu
Chongrui Zhang
Wanchun Zhao

Kress Information and Library Science Fellowship in Applied Research
Meredith Hale

Learning from Artists' Archives Student Fellowship
Colin Post

Kathleen McNiece Moore Fellowship in Children's Library Services
Alexandria Christine Mesa
Jennifer Bryan Parks
Mark Riddle
Casey Held Rawson

Fred W. Morrison Scholarship
Miranda Elizabeth Kalbach

NSF Alliance for Graduate Education and the Professoriate (AGEP) Program Fellowship
Ericka J. Patillo

School of Information and Library Science Undergraduate Scholarship
Catherine Whitfield Ayres
Melissa Ashley Ferens
Kimberly Wei-Wen Hii

Special Fellowship for Library Work with Children and Young Adults
Tara Pressley

Steinfirst Memorial Fund Fellowship
Casey Held Rawson

Undergraduate Honors Thesis
Kimberly Wei-Wen Hii
Kristian Perks

The School of Nursing

*The Class of 1956 Livas Award**
Mildred McGehee Dasher

Johnston Nursing Distinguished Senior Award
Jake Christopher Edwards

Phi Beta Kappa Inductee
Allison MacLean Hoffmeister

Sigma Theta Tau International, Honor Society of Nursing, Alpha Alpha Chapter

2015–2016 Initiates (MSN, DNP and PhD)
Huda Salim Al Noumani
Karen Theresa Augustin
Lunise Benjamin
Sherlene Elaine Blackwood
Jennifer Lynn Chatmon
Bridget Frances Condit
Jennifer Ann Dove
Gary F. Dupart
Susan Chambers Hamilton
Jewel M. Harris
Jamie Kornelis Hobson
Kassi Anne Hooper
Lisa Diane Jewell
Andrea Joyner Layton
Kathryn Leidecker
Yin Li
Melissa Jennings Lunsford
Arkady Sue Millard
Disha Amarshi Miyani
Leslie Chandler Perry
Michelle D. Rosenberg
Jessica Renei Stover
Charlotte Louise Thompson
Lindsey Wardell
Amy Wilkes

2015–2016 Initiates (BSN)
Sarah Mahmoud Al-Najjar
Ashley Logan Andrews
Katherine Anzinger
Marriam Saddiq Azam
Allison Bassil
Hannah Jayne Bivens
Rachel Hannah Boushell
Ashley Morgan Brinkman
Elisabeth N. Brubaker
Lekhoi H. Chau
Audrey Cole-Leatherwood
Leslie DeAnne Creech
Shelby Breann Dabbs
Megan Elizabeth Danneker
Mildred McGehee Dasher
Kristen T. Deaton
Kathryn DeLeon
Emma Raquel Dollhopf
Renee Ducatte
Taylor Mackenzie Dulaney
Sara Belle Earle
Jake Christopher Edwards
Joshua Adam Eigenhuis
John Joseph Escano
Madison Christine Farr
Kevin Christian Pineda Flores
Michael Ford
Jessica Gay
Heather Lynn Gill
Alaina Gobush
Cameron Lee Goodyear
Alisha T. Grass
Cristina Luisa Guzman
Grace E. Haaland
Leslie MacKeen Hackenbracht
Kristy Bivins Hansen
Mary Catherine Heideman
Allison MacLean Hoffmeister
Tori S. Holmes
Amy Lynn Indence
Ashlyn Jordan Jackson
Sarah Jahnke
Jessica R. Jean-Louis
Jessica Leanne Kaat
Margaret Norvell Kennedy
Janelle Lara
Christa Marie Lauffenburger
Diane Nicole Leadbetter
Gillian Izabelle Litynski
Sarah England May
Anna Melton
Amelia N. Miles
Jacqueline Michelle Minter
Ayan M. Musa
Alana Nelson
Claire Marie O'Keeffe

* *Chancellor's Award*

Niveditha Palanivel
Carrie Rebecca Parker
Caslin Ann Pavy
Caroline Marie Peckels
Lindy Steele Prevatt
Lindsay Taylor Radtke
Jennifer Reynolds
Emily Salo
Kaitlyn Cassandra Shaw
Vanessa Anna Sillaman
Laura Stephenson
Jean Strandberg
Kelly Rebecca Tan
Rachel Renee Tarwater
Aubrey Julie Tsao
Jennifer Louise Tupper
Emily R. Turner
Logan K. Wilkinson
Marissa Anne Yates
Katherine Sara Zamora
Kevin Zhao Zhang

The Eshelman School of Pharmacy

Asheville Student Award for Excellence
Emily Eddy

Ballenger-Smith Award for Excellence in the Pharmaceutical Care Laboratory
Lauren Melissa Scott

F.O. Bowman Award
David Singer

T.R. Burgiss Family Award
Cynthia Lee

Kristen Carol Burke Memorial Award
Amy Marie Ellenburg

Samuel Burrus Award for Community Service
Rachel Catherine LaBianca

*George H. Cocolas Pharmacy Student Body Award**
Sari Rachel Freedman

Boka Hadzija Student Excellence Award
Lydia Wang

John T. and Rebecca B. Henley Award in Pharmaceutical Outcomes and Policy
Heather Nicole Moore

John C. Hood Sr. Award in Practice Advancement and Clinical Education
Megan Devendra Shah

Buxton Williams Hunter Award
Rebecca Claire Austin

Jacobs Award in Medicinal Chemistry
Frank Anthony Fanizza

Kappa Epsilon Award
Lydia Wang

Kilar Award
Morgan Elizabeth Corkish

Molecular Pharmaceutics Achievement Award
Sarah Anne Allen

Pharmacotherapy and Experimental Therapeutics Award
Adam Tyler Bernstein

Phi Lambda Sigma Leadership Award
Emily Eddy

Phi Lambda Sigma Pharmacy Leadership Society Class of 2016
Rebecca Claire Austin
Adam Tyler Bernstein
Kelsey Leigh Browder
Erin Hannah Brown
Jordan Matthew Carrera
Emily Eddy
Sari Rachel Freedman
Emily Mullen George
Kye Hoogoian Grooms
Chandler Quintessence Gurley
Rachel Catherine LaBianca
Jennifer Elise Levine
Briana Kaye Moore
Nicole Stephanie Palazzolo
Megan Devendra Shah
Allison Katherine Tharakan
Sarah Elizabeth Todd
Lydia Wang

Rho Chi National Honor Society Class of 2016
Sarah Anne Allen
Rebecca Claire Austin
Erin Charlette Beal
Ann Claire Bernacchi
Adam Tyler Bernstein
Kelsey Leigh Browder
Kelsy Edward Combs
Morgan Elizabeth Corkish
Caitlin Jordan Covington
Anna Sareste Cosnahan
Frank Anthony Fanizza
Lori Beth Fraley
Kristen Bentley Gray
Edith Huang
Daniel Jedidiah Johnson
Rupal Kasbekar
Rachel Catherine LaBianca
Caleb Redfern Little
Teri Lynn McElheny
Travis Ryan Pace
Juhin Sureshbhai Patel
Natalie Fletcher Pearce
Robert Hargrove Pope Jr.
Kimberly Ann Preuss
Derek Michael Rycek
Cody Phillip Salyer
Lauren Melissa Scott
Megan Devendra Shah
Candice A. Sherwood
Kathryn Anne Siddle
Meagan Casey Sullivan
John Alexander Toler
Jordan Ryan Wood
Derek Alexander Yates

Ralph P. Rogers Sr. Award
Colleen Anjeanette Moody

The Dorothy Virginia Stroud Memorial Award
Jordan Matthew Carrera

Office of Professional Education Academic Excellence Award
Caitlin Jordan Covington

Office of Student Affairs Impact Award
Carrie Bette Martin

TEVA Pharmaceuticals Outstanding Student Award
John Alexander Toler

The Gillings School of Global Public Health

Annual Fund Scholarship
Rajneet Buttar, MCH
Tara Carr, NUTR
Jorge Carrillo, PHLP
Amber Christis, MCH
Allison Fechter, ESE
Alexa Jones, HPM
Emily Kiser, PHLP
Valerie Lansdale, MCH
Bridget Lin, BIOS
Luis Maldonado, NUTR
Elizabeth McClure, EPID
Caitlin Nelligan, MCH
Allison Pack, HB
Ilana Trumble, BIOS

Alumni Association Annual Spirit of Giving Award
Anandita Pal, NUTR

Alumni Association Endowed Scholarship
Alma Beciragic, ESE

Atkinson Scholarship Fund
Kim Vuong, PHLP

Brendle Brothers Scholarship for Veterans
Ferdinand Reyes, ESE

Class of 1958 Scholarship
Emily Mangone, HPM

Class of 2014 Annual Scholarship
Alma Beciragic, ESE

Miriam L. Cole Scholarship Fund
Shahar Shmuel, EPID

Delta Omega, Theta Chapter
Alden Adrion, ESE
Shereen Bahader, HPM
Emily Ann Busey, NUTR
Antonia Caldwell, HPM
Nicole Carbone, MCH
Thomas Conrad, BIOS
Tracey Ann Conrad, HPM
Elizabeth Corteselli, ESE
Melissa Cox, HB
Jonathan Crocker, ESE
Michael Cureton, HPM
Emily Rebecca Einstein, HPM
Zoe Frolking, ESE
Christina Galardi, HB
Jared Gallaher, PHLP
Jacey Gombert, HPM
Sarah Hatcher, ESE
Amanda Howell, MCH
Laurel Harduar Morano, EPID
Darren Hearn, PHLP
Caitlin Johnson, HPM
George Kernodle, HPM
Victoria Klug, ESE
Hannah Leker, ESE
Ruth Link-Gelles, EPID
Rachel Machta, HPM
Angela Mazul, EPID
Jacqueline McPherson, HPM
Giuliana Morales, HB
Caitlin Murphy, EPID
Melanie Napier, EPID
Andy Ni, BIOS
Kimberly Brooke Nezami, HB
Kevin Michael O'Neil , HPM
Yuanyuan Qin, NUTR
Rongrong Qu, BIOS
Andrea Rice, HPM
Pourab Roy, BIOS

Rebecca K. Rudel, NUTR
Marion Elaine Smith, NUTR
Alison Paige Smith, HPM
Kate Steber, MCH
Kathie Sun, ESE
Ran Tao, BIOS
Christina Villella, HB
Amy Weissman, HPM
Eleanor Wertman, HB
Alexandra White, EPID
Brittany White, PHLP
Andra Wilkinson, MCH
Rebecca Yau, EPID

Delta Omega Academic Excellence
Ashley Cobb, MCH
Aaisha Fatima, HPM
Daniel Forrister, PHLP
Jenna Hartley, ESE
Sara Jones, EPID
Genevieve Olson, HB
Yue Shan, BIOS
Kristin Jill Wallace, NUTR

Delta Omega Recognition of Service Award
Andrea Bazakas, HPM
Katherine Byerly, HB
Sarah Hatcher, ESE
Pooja Jani, PHLP
Alan Kinlaw, EPID
Brian Dwayne Matthews, NUTR
Joanna Percher, MCH
James Xenakis, BIOS

Delta Omega Undergraduate Recognition Award
Bays Coppedge, HPM
Larry Han, BIOS

Blake Hauser, ESE
Rachel Marie Howard, NUTR

Gillings Dissertation Award
Melissa Cox, HB
Alan Kinlaw, EPID

Gillings Merit Scholarship
Anna Austin, MCH
Natalie Blackburn, HB
Shekinah Fashaw, HPM
Ida Griesemer, HB
Ruixue Hou, NUTR
Kathryn Magee, PHLP
Ronald Nemeyer, PHLP
Anandita Pal, NUTR
Kaitlyn Phillips, ESE
Nidia Rodriguez Ormaza, EPID
Kristin Said, PHLP
Karen Setty, ESE
Ilana Trumble, BIOS
Kim Vuong, PHLP

Robert and Kristen Greczyn Scholarship in Public Health
Elizabeth Chen, HB

Sandra Winn Green Scholarship
Katie Friedman, ESE

Greenberg Award for Excellence in Doctoral Research
Lydia Feinstein, EPID

Harry A. Guess Scholarship
Morgan Hardy, PHLP

Donald and Jennifer Holzworth Merit Scholarship
Ayodeji Sanusi, EPID

James Imhotep Irving Public Service Scholarship
Nidia Rodriguez Ormaza, EPID

B. Erik and Mabel S. Johansson Endowment Fund
Michael DeFranco, HB

Jill Kafrissen and Michael Kafrissen Scholarship in Aging and Public Health
Erin Kuta, NUTR

Jamie Kimble Scholarship for Courage
Christine Agnew, HB

Gary G. and Carolyn J. Koch Merit Scholarship in Public Health Award
Saskia Guerrier, HPM

Koch Travel Award
Maiko Arashiro, ESE
Scott Boone, ESE
Ricky Camplain, EPID
Yu Deng, BIOS
Christopher Ford, NUTR
Breanne Holmes, ESE
Sarah Marks, BIOS
Pasquale Rummo, NUTR
Eyerusalem Tessema, HB
Rebeccah Woodke, HB

Naomi R. Koehler Endowment for Professional Development in Nutrition and Women's Health
Courtney Schnefke, NUTR

Jean T. Lassiter Scholarship
Hai Ryung Sung, MCH

Elizabeth Reaves Martin Moore Scholarship
Jayne Jeffries, HB

Fred and Pearle McCall Scholarship
Greta Bushnell, EPID

Anne Cynthia Price Endowed Fund for Student Travel
Marissa Hall, HB

Dr. Jesse A. Satia Scholarship
Julia Ward, EPID

William Thomas Small Jr. and Rosa Williamson Small Scholarship
Shamera Robinson, NUTR

Smith Travel Award
Pooja Jani, PHLP

Dr. Curtis Glenn Southard Award
Lauren Janson, NUTR

Mary S. Thompson Scholarship
Jasmine Dailey, NUTR

University Cancer Research Fund
Chelsea Anderson, EPID
Stevi Anderson, NUTR
Kristin Black, MCH
Laura Gastrell, PHLP
Sejin Lee, HPM
Sloane Miller, ESE
James Taylor, PHLP
Adane Wogu, BIOS

Robert Verhalen Endowed Scholarship in Injury Prevention/Trauma Management
Rebecca Naumann, EPID

Kerr L. White and Edward Wagner Scholarship
Alex Gertner, HPM

Derek and Louise Winstanly Scholarship
Rachel Long, ESE

Susanne Moulton and Thomas Wong Endowed Scholarship Fund in Public Health
Calla Gudeman, HPM
Nidia Rodriguez Ormaza, EPID

The School of Media and Journalism

Furman Bisher Medal
Louis Fernandez

John Robert Bittner Award to the Outstanding Senior in Electronic Communication
Louis Fernandez

O.J. "Skipper" Coffin Award to the Outstanding Senior in News-Editorial Journalism
Bradley Joseph Saacks

Lois and H.C. Cranford Jr. Award to the Outstanding Senior in Public Relations
Maggie Quinn Cerciello

Robert and Dorothy Jennings Entrepreneurial Award
Edgar Robert Walker

Kappa Tau Alpha Honor Society
Juanita Arias
Margaret Hannah Engellenner
Olivia Leigh Ingram
Catherina L. Leipold
Paige Nicole Plumblee
Linda Xiao
Molly Elizabeth Yandle

Larry and Carolyn Keith Award in Sports Journalism
Raymond Rempfer Whitehouse

Jeff MacNelly Award
Paige Amelia Ladisic

Rachel Davis Mersey Fund for Outstanding PhD
Diane B. Francis

James J. Mullen Award to the Outstanding Senior in Advertising
Seth David Paterson

Outstanding MA Graduate
Natasha Helene Duarte

Outstanding MATC Graduate
Sarah Elizabeth Lamm

Minnie S. and Eli A. Rubinstein Research Award
Gabriela Arp
Alasdair Wilkins

Scripps Howard Foundation Internship/Scholarship
Dillon Deaton
Avery Alexandra Hall

* *Chancellor's Award*

Stuart Sechriest Award to the Outstanding Senior in Visual Communication
Brittany Renee Mayes

John Sweeney Experience Fund Award
Joshua Charles Alexander
M.S. Van Hecke Award
Margaret Mary Garner

Earl Wynn Creative Broadcasting Award
Cierra Brooke Cotton

The School of Social Work

Melvarene J. Howard Adair Scholarship
Isabel Helen Chasse
Kristy Lynette Mabe
Brittany Michelle Walker

Alumni Development Award
Alexandra Whatley Balkum

APPLES Internship Curriculum Fellowship
Candace Killian Farrell
Jennifer Elizabeth O'Brien

APPLES Service-Learning Curriculum Development Grant
Laurie Michelle Graham

APPLES Summer Internship Curriculum Fellowship
Laurie Michelle Graham

Armfield-Reeves Innovation Fund
Wen (Vivien) Li

Jane Hall and William Johnston Armfield Scholarship
Lena Christine Brown
Rodolfo Antonio Crooks
Kali Madeline Hackett
Verlissa Mason
Jazmin Monroe

Berg Scholars Award
Quinton LaKeith Smith

Annie Kizer Bost Award
Stacy Michelle Greene

Amy Louise Brannock MSW Memorial Scholarship Fund
Olivia Bass

Carolina Consortium on Human Development (CCHD) Predoctoral Fellowship
Todd Michael Jensen

Carolina Parents Council Grant for "Stigma Free Carolina: Redefining Mental Health" Project
Todd Michael Jensen

Chaney-Jacobs-Preyer Award
Rebecca Faith Swofford
Samantha Marie Watson

Brett Chavis Memorial Scholarship
Alexander D. Danilowicz

Robert and Peggy Culbertson Scholarship
Julie Christine Dick

Dissertation Completion Fellowship
Wen (Vivien) Li

Martha Sherrill Dunn Scholarship
Theresa Marie Collosso

Bertie Oscar Edwards Scholarship
Star Sullivan

Robin Fancourt Memorial Fellowship – Child Trauma Academy, Houston, TX
Candace Killian Farrell

First Place Award, Social Sciences Division – University Day
Candace Killian Farrell

Joanna Finkelstein Gorham Scholarship
Sarah Elizabeth Chambers
Richard Scott Luetgenau
Kayce Rebecca Owens
Allison Renee White

Five-Year Royster Society of Fellows Fellowship Award for Doctoral Study
Laurie Michelle Graham
Todd Michael Jensen
Shiyou Wu

Graduate and Professional Student Federation Travel Award
Todd Michael Jensen

Graduate School Merit Assistantship
Ashley Dawn Givens
Frank Porter Graham Honor Society Honoree and Inductee
Todd Michael Jensen

Heath-Webb Doctoral Research Fund Award
Patricia (Tricia) Anne McGovern

Kirsten E. Hewitt Scholarship
Kayce Rebecca Owens

Hometown Hero Award Presented by 97.9 WCHL and Performance AutoMall
Laurie Michelle Graham

Alan Keith-Lucas Scholarship
Jessica Lindsey Attucks
Portia Sydne Ganpot

Jeffrey Langston Scholarship
Caitlin Avery Klein

James and Connie Maynard Scholarship
Vanessa C. Collier-Robinson
Quinton LaKeith Smith

Robert Ernest McClernon Memorial Fund
Maryanne Storey Henderson
Whitney Renee McCollum
Laura Ann Morrison
Brittany Ashley Peters-Barnes

Outstanding Doctoral Student Award
Jennifer Elizabeth O'Brien

Margaret Mebane Parker Scholarship Fund
Sarah Michelle Klemens

Meehan Scholarship
Laura Natalia Castro Montanez
Katie C. Savage

Betsy Rogers Millar Scholarship
Brittany Teresa Allen
Katelyn Leah Ehle

Hugh MacRae Morton Jr. Memorial Scholarship
Claire Elizabeth Bates
Sarah Michelle Rabiner

Jane Curtis Parker Award
Daniel Lee Ball
Candice Noel Locklear
Donald Eugene McDonald

Joan Phillips-Trimmer Scholarship
Nora E. Spencer

Department of Physical Medicine and Rehabilitation Program on Integrative Medicine Predoctoral Fellowship
Jane (Jaime) Moore Hughes

Ellen E. Power Scholarship
Jeffery King Neer

Kathleen Price Scholarship
Anne Margaret Walker

Sam and Betsy Reeves Doctoral Fellowship
Erum Agha
Brittney Renwick Chesworth
Kanisha Latina Coleman
Joseph James Frey
Laurie Michelle Graham
Tamara Keondra Hicks
Christina Elyse Horsford
Jane (Jaime) Moore Hughes
Todd Michael Jensen
Brianna Marie Lombardi
Jennifer Elizabeth O'Brien
Rhianna Cohen Rakip
Elaina Michele Sabatine
Charity Sneed Watkins
Christopher John Wretman
Qi Wu
Shiyou Wu
Angela You Gwaltney

Kenneth C. Royall Jr. Scholarship
Courtney Ann Hereford

Royster Society of Fellows – Jesse Ball DuPont Dissertation Fellowship
Candace Killian Farrell

Janice Hough Schopler Scholarship
Rebecca Hope Brandt
Josephine Peggy Carmona
India DePriese Dunn
Margaret Alley Grant
Emmanuel Javon Jefferson
Clara Marcus
Christine Noel Northrup
Sable A. Sanders
Naomi Ruth Spencer
Jillian Stein-Seroussi
Christi Summerlin Stephenson

Dean E. Smith Opening Doors Fund
Daniel Lee Ball
Shivani Laxmikant Chudasama

Kara Nakia Logan
Nadia Sue Rayyan

Robert L. Schneider Influencing State Policy Dissertation Award
Tonya Bloomer VanDeinse

Social Justice Fund Scholarship
Jasmine Deonna Harvey

Florence Soltys Memorial Scholarship
Anne Margaret Walker

Springle Memorial Scholarship
Danielle Knutson

Linda M. Sumner Scholarship
Alexandra Whatley Balkum
Rosa Stephanie Toledo

Leah Tannenbaum Scholarship
Caroline Mast Pegram
Renee Caldwell Poole

Kristen Marie TenHarmsel Anderson Scholarship
Rebecca Datus

Smith P. Theimann Scholarship
Glamarys Eliane Acevedo
Katelyn Elizabeth Roberts

Walsh-Cioffi Award
Kristan Ryan Rosenthal

Ellen Black Winston Scholarship
Carla Violeta Salvo-Lewis

DEPARTMENT OF AEROSPACE STUDIES

*The Kenneth C. Royall Award**
Reghan Katherine Horman

DEPARTMENT OF AMERICAN STUDIES

*The Peter C. Baxter Memorial Prize in American Studies**
Karine Lisa Martel

Creative Writing Awards

See Department of English and Comparative Literature

DEPARTMENT OF ART

*The Alexander Julian Prize**
Tracie Elizabeth Hayes

*The Undergraduate Prize in Art History**
Arianna Nicole Ray

DEPARTMENT OF ATHLETICS

Top 10 Scholar-Athletes
Jake Bernstein (Men's Fencing)
Connor Daly (Men's Tennis)
Christopher Madaffari (Men's Cross Country)
Paige Neuenfeldt (Volleyball)
Samantha Night (Field Hockey)
Houston Summers (Men's Track and Field)
Elly Wagner (Softball)
Shelley Warner (Rowing)
Nick Weiler (Football)
Carly Wooten (Women's Fencing)

2015-2016 Athletic Director's Scholar-Athlete Awards
Davis Bateman (Men's Golf)
Jake Bernstein (Men's Fencing)
Lexi Cappalli (Gymnastics)
Ashley Dai (Women's Tennis)
Connor Daly (Men's Tennis)
Carly Davis (Women's Lacrosse)
Casey Di Nardo (Field Hockey)
Hanna Gardner (Women's Soccer)
Erika Johnson (Women's Basketball)
Patrick Kelly (Men's Lacrosse)
Sam Lewis (Men's Swimming and Diving)
Christopher Madaffari (Men's Cross Country)
Elizabeth Mallett (Women's Golf)
Paige Neuenfeldt (Volleyball)
Emma Nunn (Women's Swimming and Diving)
Marcus Paige (Men's Basketball)
Tyler Ramirez (Baseball)
Karley Rempel (Women's Cross Country)
Houston Summers (Men's Track and Field)
Alex Utley (Wrestling)
Elly Wagner (Softball)
Shelley Warner (Rowing)
Nick Weiler (Football)
Lizzy Whelan (Women's Track and Field)
Nick Williams (Men's Soccer)
Carly Wooten (Women's Fencing)

2015-2016 Richard A. Baddour Carolina Leadership Academy Leaders of Distinction
RJ Alowonle (Men's Track and Field)
Ezra Baeli-Wang (Men's Fencing)
Mitch DeForest (Men's Swimming and Diving)
Chelsea Gustafson (Rowing)
Ally Hardesty (Women's Swimming and Diving)
Annie Harrison (Women's Swimming and Diving)
Ozzie Moyer (Men's Swimming and Diving)
Paige Nielsen (Women's Soccer)
Stephanie Lobb (Women's Lacrosse)
Adam Pate (Baseball)
Anderson Pope (Wrestling)
Karley Rempel (Women's Cross Country/Track and Field)
Mark Rizzo (Men's Lacrosse)
Jordyn Schnabl (Volleyball)
Kendall Surhoff (Women's Swimming and Diving)
Matt Williams (Wrestling)
Emily Wold (Field Hockey)
Kylee Wooten (Rowing)

2015-2016 Team Captains
Baseball
Zac Gallen
Adam Pate

Men's Basketball
Joel James
Brice Johnson
Marcus Paige

Women's Basketball
N'Dea Bryant
Hillary Fuller
Erika Johnson
Xylina McDaniel
Hillary Summers
Men's Cross Country
Mark Derrick
Chris Madaffari
Stephen Mulherin

Women's Cross Country
Caroline O'Hea
Karley Rempel
Mattie Webb
Lizzy Whelan

Men's Fencing
Epee: Collins Allison
Foil: Jake Bernstein
Sabre: Theophilus Onigbinde

Women's Fencing
Epee: Samantha Galina
Foil: Amanda Lalezarian
Sabre: Sarah Hanvy

Field Hockey
Emily Wold
Julia Young

Football
Mack Hollins
Shakeel Rashad
Jeff Schoettmer
Landon Turner
Marquise Williams

Men's Golf
Keagan Cummings

Women's Golf
Elizabeth Mallett

Gymnastics
Lexi Cappalli
Josselyn Mackey
Sarah Peterson

Men's Lacrosse
Patrick Kelly
Jake Matthai
Austin Pifani
Mark Rizzo

Women's Lacrosse
Kelly Devlin
Molly Hendrick
Stephanie Lobb
Caylee Waters

Rowing
Chelsea Gustafson
Victoria McGee
Kylee Wooten
Men's Soccer
Jonathan Campbell

Women's Soccer
Katie Bowen
Alexa Newfield
Paige Nielsen

Softball
Kristen Brown
Tracy Chandless
Lauren Fuller
Aquilla Mateen
Erin Satterfield
Elly Wagner

Men's Swimming and Diving
Mitch DeForest
Ozzie Moyer

Women's Swimming and Diving
Ally Hardesty
Annie Harrison

Men's Tennis
Brett Clark
Ronnie Schneider

Women's Tennis
Ashley Dai
Whitney Kay
Kate Vialle

* *Chancellor's Award*

Men's Track and Field
Zach Gray
AJ Hicks
Javonte Lipsey
Richard Miller
Stephen Mulherin
Houston Summers

Women's Track and Field
Kendra Douglas
Avana Story

Volleyball
Abigail Curry
Jordyn Schnabl

Wrestling
Christian Barber
Evan Henderson
Robert Henderson
John Michael Staudenmayer
Alex Utley
David Woody

Wells Fargo Postgraduate Scholarship
Carly Wooten (Women's Fencing)

DEPARTMENT OF BIOLOGY

The Stephen Brantley Award
Andrew Saintsing

The Robert Coker Award
Laura Hamon

*The I. R. Hagadorn Award**
Harish Seshadri Pudukodu

The Francis LeClair Award
Emily LeClair

DEPARTMENT OF BIOMEDICAL ENGINEERING

Citizenship and Service Award
Genesis Cruz-Molina
Kierra Falbo

Flexcell Award
Erin Graham

2016 Graduate Education Advancement Board Impact Award
Ashley Johnson

Honors Carolina
James Evan Smith
Samuel Warner

Humanities Award
Audrey Larson

Leadership Award
Mason McClanahan
Hunter Reavis

Outstanding Junior Award
Ansel Dow
Michael Lebhar

Scholarly Achievement Award
James Evan Smith
Samuel Warner

WolfRam Award
Hunter Reavis

DEPARTMENT OF BIOSTATISTICS

Kupper Dissertation Award
Ran Tao

Barry H. Margolin Dissertation Award
Ai Ni

DEPARTMENT OF CITY AND REGIONAL PLANNING

American Institute of Certified Planners (AICP) Award

American Planning Association Fellowship Scholarship from the Environment, Natural Resources, and Energy (ENRE) Division
Elizabeth Jane Weimer

Outstanding Planning Student Organization (PSO) Award
Julia Arielle Lester Barnard
Sophie Kelmenson
Timothy John Quinn

Weiss Best Colleague Award
Julia Arielle Lester Barnard

DEPARTMENT OF CLASSICS

*The Eben Alexander Prize in Greek**
Emily Grace Shanahan

The Epps Prize in Greek Studies
Amanda Marie Kubic

The Herington Prize in Greek
Elizabeth Li

The Herington Prize in Latin
Evan Clay Sink

The Herington Scholarship
Gordon Miller Wilbourn Jr.

The Nims Scholarship
Mary Rachel Bulkeley
Allison G. Ditmore
Helen Vasiliki Hansel
Luke C. Hildreth
Robert A. Waldroup
Philip Murray Wilson

*The Albert Suskin Prize in Latin**
Kristina Wendi Cheung

DIVISION OF CLINICAL LABORATORY SCIENCE

Outstanding Senior in the Division of Clinical Laboratory Science
Katherine Lemoine

DIVISION OF CLINICAL REHABILITATION AND MENTAL HEALTH COUNSELING

The June C. Allcott Fellowship
Emily Davis Robinson

Educational Planning Symposium Rehabilitation Counseling and Psychology Annual Scholarships
Margaret Rachel Garehan
Ashley Randall

Dr. Mark Fleming Rehabilitation Counseling and Psychology Annual Scholarship
Rae Jodrey

Richard H. Peters Rehabilitation Counseling and Psychology Annual Scholarship
Chloe Fulcher

Peters-Reives Rehabilitation Counseling and Psychology Annual Scholarship
Amber Peel

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowship
Rae Jodrey

DEPARTMENT OF COMMUNICATION

*The Wallace Ray Peppers Award in Performance of African and African American Literature**
Elvin Jarrod James

DEPARTMENT OF COMPUTER SCIENCE

Gates Cambridge Scholarship
Matthew Leming

2015–2016 Stephen F. Weiss Award for Outstanding Achievement in Computer Science
Vance Miller

DEPARTMENT OF DRAMATIC ART

The Richard and Christopher Edward Adler Award
Rickie Lee Eatherly
Dylan Elijah Hedgecock
Adam John Swez

The Lillian Chason Scholarship
Alexandra Elise Lagrand

The Laura Jewell Dobbins Graduate Fellowship
Robin Ankerich
Michelle Bentley
Erin Torkelson

The Ruth and Wes Egan Award
Natalie Carney

Joseph D. Feldman Award
Anthony Cacchione
Makayla Caton Hamrick
Anne Margaret Keller
Erik Robert Koehler
Obioma Morton
Leigha Vilen
Mckenzie L. Wilson

Virginia and George Ferguson Award in Honor of David Hammond
Julia Warren
Arielle Yoder

The Andy and Cindi Griffith Scholarship
Kaitlyn Ave'Lallemant
Caroline Rebecca Collins
Whitney Kay Edmonds
Ashlei Lauryn Heffernan
Elizabeth Anne Kent
Alexandra Elise Lagrand
Ariana Rivens
Nellie Katherine Wise

The Joseph Haj Merit Award in Dramatic Art
Scott Billik

Frederick M. Koch Memorial Scholarship
Adam John Curry
Jacob Walton

The Louise Lamont Award
Maxalenson Hilsabeck

The Virgil and Marion Lee Fellowship
Kaylee Allmond
Jackson Campbell
Harper Lee Cleland
Earl Hampton Crumpler III
Katherine Elizabeth Jones
Camille M. Oswald
Kevin Pendergast
Zavier Taylor
Emma R. Vandevelde
Simon N. Wolf

The Ella Mae Daniel Proctor and Robert H. Proctor Award
Mackenzie S. Kovaka

The Irene Smart Rains Dramatic Art Award
Emily Maria Plonski

The Phyllis Rice Ryan Award
Allison C. Altman

Samuel Selden Memorial Award
Allison C. Altman
Daniel M. Bailin
Myles Bullock
Kathleen Sara Castaldi
Benjamin Richard Curns
Schuyler Scott Mastain

Samuel Selden Playwriting Award
Niamh Ryan

DEPARTMENT OF ECONOMICS

*The Undergraduate Prize in Economics**
Michael Anthony Catalano

DEPARTMENT OF ENGLISH AND COMPARATIVE LITERATURE

Laurence G. Avery Award for Excellence in Teaching Literature
Suzanna Leigh Geiser
Vaughn Stewart

Robert Bain Award in 19th-Century American and Southern Literature
Kimberly Farris
Sarah Anne Kuczynski
Anneke Ellen Schwob

Doris Betts Award
Rachael Lauren Isom

John R. Bittner Award for Outstanding Dissertation Work in Literature and Popular Media
Jacob T. Watson

Werner P. Friederich Award for Best Undergraduate Essay in Great Books
Max I. Levin

James R. Gaskin Award
Dwight Kenneth Tanner

Almonte Howell-Robert Voitle Fellow
Katherine Nicole Walker (2015)

C. Hugh Holman Fellow
Benjamin Joshua Doty
Meagan Lynne Blair

Earl Hartsell Award
Sarah Anne Kuczynski

William A. Nolan Memorial Award for Excellence in Teaching
Lindsay Rebecca Starck

Ruth Rose Richardson Fellow
Suzanna Leigh Geiser
Christin Mary Mulligan

Fred and Joan Thompson Award
Joseph A. Fletcher
Jane Lim
Doreen Thierauf

Undergraduate Essay Prize in Comparative Literature
Jacob Rosenberg

Linda Wagner-Martin Award in 20th-Century Literature
Benjamin Clay Mangrum

James Lawrence Whitfield Prize in English
Samuel Linton Bondurant

Paul E. Wilkinson Memorial Award for Teaching Foreign Language
Alexis Seccombe Giachetti

Creative Writing Awards

Suzanne Bolch Literary Award
Samantha Sabin

Ann Williams Burrus Award
Samantha Shea Davis

Ann Williams Burrus Award Honorable Mention
Jackson Meyers Hall

*The Robert B. House Memorial Prize in Poetry**
Lauren Ashley Moore

Robert Ruark Award in Creative Non-Fiction
Stephen Gay
Heather Pilar Wilson

*Louise D. Rubin Jr. Prize in Creative Writing**
Heather Pilar Wilson

Bland Simpson Prize in Creative Writing
Jacqueline Kennedy, *First Place*
Matthew Kerber, *Second Place*

Max Steele Prize in Fiction
Xingyue Sarah He

Mini Max Awards
Mason Boyles, *First Place*
Elizabeth Moore, *Second Place*
India Lassiter, *Third Place*

DEPARTMENT OF ENVIRONMENTAL SCIENCES AND ENGINEERING

Bunker Award
Victoria Klug

ESE Achievement Award
Chelsea Fizer

DEPARTMENT OF EPIDEMIOLOGY

H. Michael and Barbara Arrighi Endowed Scholarship
Laurel Harduar Morano

Rebecca James Baker Memorial Scholarship
Laurel Harduar Morano

Coroni-Huntley Scholarship
Tiffany L. Breger

Nancy L. Dreyer Scholarship
Lindsay Fernández-Rhodes

Harry A. Guess-Merck Scholarship in Pharmacoepidemiology
Mugdha Gokhale

Barbara Sorenson Hulka Dissertation Award
Jessie P. Buckley

Berton H. Kaplan Student Publication Award
Katherine M. Tumlinson

Sidney Kark Award for Distinguished Teaching Assistant
Catherine Lesko

James A. Merchant Family Scholarship
Sydney A. Jones

H. A. Tyroler Endowed Scholarship in Epidemiology
Jordan E. Cates

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

*The Patrick F. Earey Award**
Sandra Leland Hoyt

*The Sport Clubs Council Achievement Award**
Eric Hardin Rossitch

DEPARTMENT OF GEOGRAPHY

*The McNally Award for Excellence in Geography**
Ian Michael Gallager

DEPARTMENT OF GEOLOGICAL SCIENCES

*The Op White Prize in Geology**
Eric Alexander Barefoot

DEPARTMENT OF GERMANIC AND SLAVIC LANGUAGES AND LITERATURES

*The Paul Debreczeny Prize in Slavic Languages and Literatures**
Andrew Josiah Thompson

* *Chancellor's Award*

*The Ria Stambaugh Undergraduate Award for Excellence in German**
Amelia English Wallace

DEPARTMENT OF HEALTH BEHAVIOR

Dorothy Fay Dunn Scholarship
Rebecca Hershow

Hatch-Barnhill Fellowship Award
Camille McGirt

Kathryn J. Kerr Memorial Scholarship Award
Lindsay Bailey

DEPARTMENT OF HEALTH POLICY AND MANAGEMENT

Clive Boxhill Jr. Scholarship in Health Policy
Saskia Guerrier

Deniese May Chaney Fellowship
Heather Kay Altman
Anne Wojtak

James P. Dixon Award for Excellence in Education
Catherine Whitfield Ayres
Shauna Marie Rust

Sandra B. Greene Scholarship in Health Leadership
Stacy Ann Sterling

Arthur B. Holzworth Endowment Scholarship in Health Leadership
Karine M. Dube

Jacob Koomen Public Health Practice Award
Stacy-Ann Christian

AUPHA/McGaw Master's Scholar
Asher Smith Lisec
Kayla R. Moore

AUPHA/McGaw Undergraduate Scholar
Haley Rai Gafton
Shauna Marie Rust

Gerald D. Studer Undergraduate Student Award
Courtney Marie Hardy
Rebecca Jordan

Charles A. Veatch Endowed Scholarship in Health Leadership
Mary Whitney Fry

Jean G. Yates Outstanding Doctoral Student Award
Devon Karnes Check

Jean G. Yates Public Health Policy Award
Asher Smith Lisec

DEPARTMENT OF LINGUISTICS

*The Marc Adam Eisdorfer Award in Linguistics**
Jonathan Thomas "Neal" Siekierski

DEPARTMENT OF MATERNAL AND CHILD HEALTH

Carolina Global Breastfeeding Institute Scholarship
Amber Layli Christis

Cynthia H. Cassell Doctoral Dissertation Award in MCH
Kathleen Kenny

Edem Effiong Memorial Scholarship for Student Travel
Megan Catherine Barry
Global Health Internship Fund
Meredith Jane Burns

Sarah Taylor Morrow Scholarship Fund
Sabrina Darwiche
Hannah Rackers

Jimmie Lee Rhyne Scholarship Fund
Zainab Alidina
Michela Garrison
Caitlin Anne Nelligan

John and Sallie Shuping Russell Scholarship in Global Health
April Dee Aviles
Hannabeth Angela Franchino-Olsen
Hannah Silverstein

Earl and Gladys Siegel Student Support Fund
Valerie Eppley Lansdale

Katherine Ann Wildman Memorial Scholarship
Anna Elizabeth Austin
Stella Rae Clingmon
Ellen Elizabeth Jones

DEPARTMENT OF MATHEMATICS

Alfred T. Brauer Prize
Jonathan Merrill Aycock

*The Archibald Henderson Mathematics Medal**
Samuel Patrick DeHority

J. Burton Linker Award
Cass Andrew Sherman

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

G. Philip Manire Graduate Student Excellence in Research Award
Jon Hagar, 2015
Jenna Honeycutt, 2016

Gordon Sharp Innovator Award
Nikolas Stasulli, 2015
Penny Anders, 2016

The Graduate School Dissertation Completion Fellowship
Michelle Palacios

DEPARTMENT OF MILITARY SCIENCE

*The George C. Marshall Award**
Erik Michael Kellomaki

DEPARTMENT OF MUSIC

David Arons Award for Excellence in Musical Performance
Jonathan Robert Minnick

Fred and Gail Fearing Jazz Studies Award
Colin James Rothwell

Danielle Elizabeth Liotta Award
Lindsey Joe Broadwell

Major Y Award
Alyssa Nicole Bensky

Music Department Award for Academic Excellence
Tyler G. Beames

*The Earl Slocum Band Award**
Jonathan Robert Minnick

Benjamin Swalin Orchestra Award
Mason Taylor Allen
Kathleen Tracey Brvenik
Emily Joan Farmer

UNC Band Directors Award
Meagan Elizabeth Barger

OTHER AWARDS AND HONORS

National Association of Teachers of Singing North Carolina Student Auditions
Samuel Lester Barge, *Third Place, Musical Theater*
Mahari Allene Marie Conston, *First Place, Classical*
Amanda Hemric, *Honorable Mention, Classical*
Andrew Meyer, *Third Place, Classical*
Megan Blythe Neligan, *Second Place, Classical*
Mark Edward Storey, *Second Place, Classical*
Sarah Eileen Wolber, *First Place, Classical*

National Association of Teachers of Singing Mid-Atlantic Regional Auditions
Mahari Allene Marie Conston, *First Place, Classical*
Andrew Meyer, *First Place, Classical*
Mark Edward Storey, *Third Place, Classical*
Megan Blythe Neligan, *Honorable Mention, Classical*

DEPARTMENT OF NAVAL SCIENCE/NROTC

Major Bradley Allen Barker III Scholarship Award
Nancy Randolph Smith

American Legion Military Excellence Medal
Salvatore Joseph Savarese Jr.

American Veterans
Nancy Randolph Smith

Chief of Naval Operations Distinguished Graduate Award
Alisha Therese Grass

*The Josephus Daniels Scholarship Medal**
Salvatore Joseph Savarese Jr.

Daughters of the American Revolution Medal
Nancy Randolph Smith

Hudson Foundation Scholarship Award
Salvatore Joseph Savarese Jr.

Patrick Connor Award
Salvatore Joseph Savarese Jr.

CDR Christopher Mills Memorial Award
Salvatore Joseph Savarese Jr.

Sandra and Charles Julian Wolfe Jr. Scholarship Award
Alisha Therese Grass

DEPARTMENT OF NUTRITION

A. Hughes Bryan Outstanding Doctoral Award in Nutrition
Dalia Stern

Ethel J. Coleman Endowed Scholarship in Nutritional Biochemistry
Samantha Marie Attard
Daniel Lupu

Joseph Edozien Outstanding Undergraduate Award in Nutrition
Anna Elizabeth Meade
Pranati Laxmi Panuganti

MaryAnn C. Farthing MPH Scholarship Award in Nutrition
Natalie Alexander
Emily Elaine Bellfi
Lisa Joann Englander
Shamera Robinson

Laurel E. Zaks Global P.H. Nutrition MPH Scholarship
Courtney Held Schnefke

DIVISION OF OCCUPATIONAL SCIENCE AND OCCUPATIONAL THERAPY

Carolinas Healthcare System/ Carolinas Rehabilitation Occupational Therapy Annual Scholarship
Tyler Patrick Dunn

Increasing Diversity in Occupational Therapy Scholarship
Caitlin Quinn Hoffman

Marlys Mitchell Scholarship
Lauren Elizabeth Jones
Jamie Lynn Stiller

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowships
Jamie Stiller
Lindsay Vorhees

DEPARTMENT OF PHILOSOPHY

*The Worth Award**
Nathan Lewis Smith

DEPARTMENT OF PHYSICS AND ASTRONOMY

Daniel C. Johnson Memorial Outstanding Junior Award in Physics
Enrique Hernan Santacruz Toloza
Chiara Pancaldo Salemi

*The Paul E. Shearin Outstanding Senior Award in Physics**
Tyler Davis Blanton
Eric Paul Boyers

Robert Shelton Award for Outstanding Research
Eric Paul Boyers
Trevyn Larson

DEPARTMENT OF POLITICAL SCIENCE

*The L. Richardson Preyer Award for Excellence in Political Science**
Marques Ray McPhail

DEPARTMENT OF PSYCHOLOGY AND NEUROSCIENCES

Carolina Research Scholar
Luwam Debru

Gillian T. Cell Senior Thesis Research Award
Daniel James Horschler

Dunlevie Honors Undergraduate Research Award
Kelly Anne Duffy
Zachary Thomas Tucker

Lindquist Undergraduate Research Grant
Samantha Dove
Jocelyn Alisa Lê
Nadia Peyravian
Sarah Katherine Pittman
Megan Elizabeth Villegas

Tom and Elizabeth Long Research Award
Lindsey Kristin Freeman
Kyla Danielle Mace
Olivia LaSpina-Williams

David Bray Peele Memorial Research Award
Saima A. Akbar
John Timothy Ogunkeye
Allison N. Price
Leela A. Rao
Jared Parker Scruggs
Haley Solomon
Megan Elizabeth Villegas
Leah Elana Zelson
Andrea Nicole Zuniga

Phillips Ambassador
Saima A Akbar

Frances L. Phillips Travel Scholarship
Keadija Chanell Wiley

Office for Undergraduate Research Travel Award
Lindsey Kristin Freeman
John Timothy Ogunkeye

Summer Undergraduate Research Fellowship
Kirsten Nicole Zaldarriaga Consing
Lindsey Kristin Freeman
Gabrielle Grace McHarg
John Timothy Ogunkeye
Yidou Wan

DEPARTMENT OF PUBLIC HEALTH LEADERSHIP

Arnold D. Kaluzny PhD Distinguished Alumni Award
Suzanne Marie Babich

Imogene Pence Klingenfus Award
Brenda Ruhrer

PHLP Travel Award
Christopher Scott Evans
Marie Lina Excellent
Tyler C. Warmack

Rachel Stevens Scholarship Award
Lisa M. Garland

ANCBH Vaughn Upshaw Scholarship
Stephen A. Eaton

Margaret Blee-Ruth Warwick Hay Award
Hannah Byun

DEPARTMENT OF PUBLIC POLICY

Richard ("Pete") Andrews Fellow in Environmental Policy
S. Elva Bennett
David Vitek

Hodding Carter III Public Service Fellowship
Diane Li

The Michael A. Stegman Award for Policy Research and Advocacy
Brianne Marino

The Kathy A. Taft Education Policy Award
Sophie Bergmann

DIVISION OF RADIOLOGIC SCIENCE

The Phyllis Ann Canup Pepper Radiologic Science Memorial Fund Scholarships
Brittany Dare Farrell

Anna Christine Hudson
Taylor Brooke Koonts

Buddy Clark Loyalty Fund Radiologic Science Annual Scholarship
Kristen Sloan Riley

Faculty Award for Excellence
Anna Hudson

Dr. Jerry Lambiente Radiologic Science Loyalty Fund Annual Scholarship
Jeffrey Toulmin Gaines

Outstanding Academic Achievement Award
Taylor Koonts

Drs. Jerome Puryear and Latonya Brown-Puryear Endowed Scholarship in Radiologic Science
Brenda Lisett Salas

Tina D. Robbins Award
Sloan Riley

* *Chancellor's Award*

Tina D. Robbins Memorial Award
Chi Adabel Lee

Joseph Taylor Radiology Student Assistance Fund
Kistner Yvonne Javorski

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowships
Priya Patel

DEPARTMENT OF RELIGIOUS STUDIES

*The Bernard Boyd Memorial Prize**
Derek Alan Pace

DEPARTMENT OF ROMANCE STUDIES

*The Camões Prize in Portuguese**
Jared Parker Scruggs

*The Jacques Hardré Undergraduate Award for Excellence in French**
Renata Butler Barsanti

*The Sterling A. Stoudemire Award for Excellence in Spanish**
Wilson Victoria Storey

DEPARTMENT OF SOCIOLOGY

*The Howard W. Odum Undergraduate Sociology Award**
Joshua Taylor Green

DIVISION OF SPEECH AND HEARING SCIENCES

Adult Communications Disorders Annual Scholarship
Mandie Kate Oslund
Amy Munekata

Millicent Blair Arnett Memorial Speech-Language Pathology Annual Scholarship
Claudia Lemus

Audiology Alumni Annual Scholarship
Marisa Isabella Marsteller

Dr. Sylvia Campbell Speech and Hearing Sciences Annual Scholarship
Valeriya Yavich

Robert W. Peters Award
Lucy Edna Hardy

Janice Rebecca Pettie Bowles Speech and Hearing Sciences Annual Scholarship
Sarah Marie Plascyk

Thorpe/Mitchell Diversity Leadership Development Award
Adrienne Skye Dorsett

Rebecca Rule Womble Speech and Hearing Sciences Annual Scholarship
Jillian Eileen Kowalski

UNC Hospital's Volunteer Association's Allied Health Sciences Fellowships
Nicole Amanda Steyl

DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

W. Robert Mann Award
Michael Paul Jushchuk

Mathematical Decision Sciences Award
Emily Elizabeth Riederer

STOR Outstanding Achievement Award
Jianyu Liu
Yichen Tu
Yang Yu

STOR Teaching Award
Qing Feng
Huiyin Ouyang
Guan Yu

DEPARTMENT OF WOMEN'S AND GENDER STUDIES

*The Mary Turner Lane Award in Women's and Gender Studies**
Elisa Michaela Johnson

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Tiffany Bailey
Bridget Baucom
Angelyn (Angie) S. Bitting
Simon John Bloor
Andrew Brennen
Jennifer Burkhart
Bruce Cairns
Christopher Derickson
Debbie Dibbert
Douglas S. Dibbert
Robbi Pickeral Evans
Joseph S. Ferrell
Jeffrey W. Fuchs
Austin Gold
Jim Gregory
Deborah L. Hawkins
Steffi Kinton
Jacob Kornegay
Leslie S. Lerea
Ying Lin
H. Brent McKnight Jr.
Karen Moon
Mark Moon
Cecelia Moore
Laura Hayes Morgan
Valerie A. Price
Bradley Opere
Terry Ellen Rhodes
G. Dylan Russell
James I. Spurling
Frederick N. Stipe
Sidney W. Stone
Charles Streeter
Stacey Harris Warner

Credits

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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

C378 UL1

The University *of*
North Carolina *at* Chapel Hill

2016
COMMENCEMENT

Sunday, December Eighteenth
Two Thousand Sixteen

MESSAGE *from the* CHANCELLOR CAROL L. FOLT

Welcome to your Tar Heel Graduation. You have accomplished so much in your years at Carolina and this is your moment to celebrate.

Family members and friends, thank you for sharing your students with us. Today we celebrate their graduation and the incredible support and encouragement you provided along their journey to this special moment in their lives.

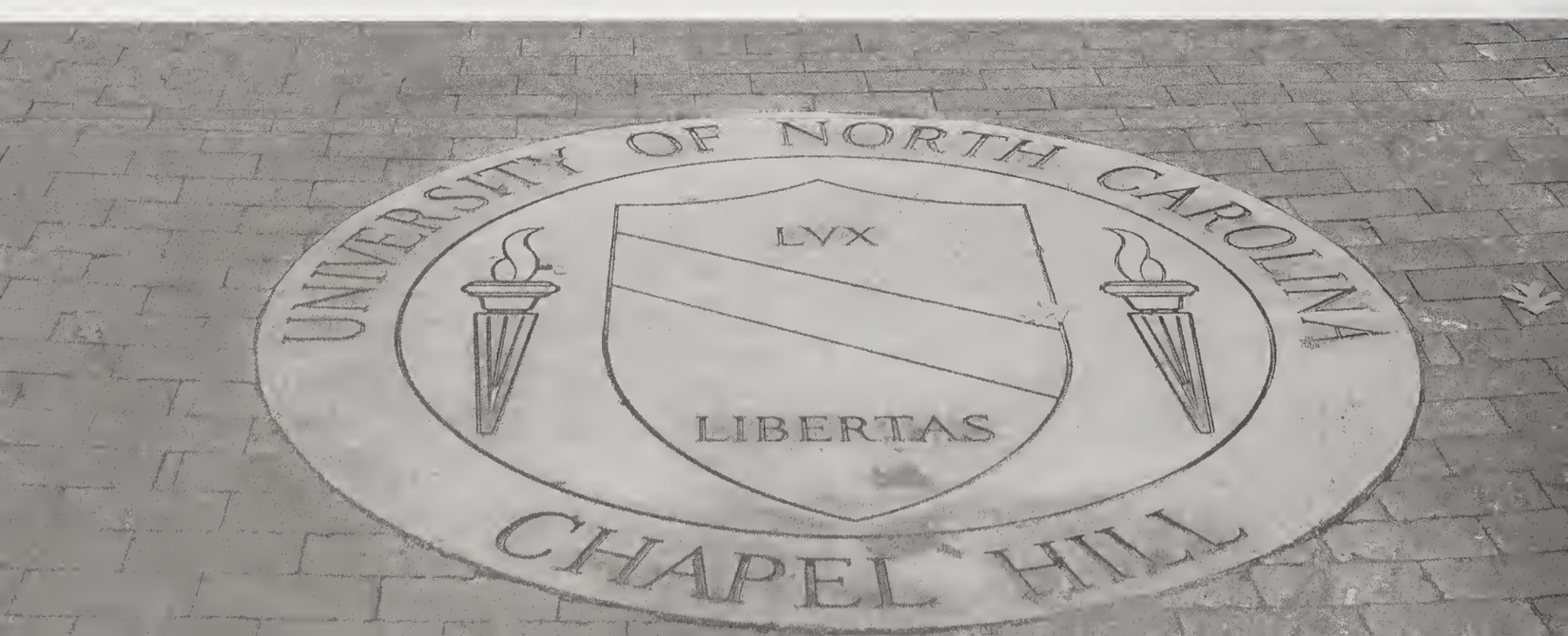
When you first arrived, you brought with you hopes and aspirations as well as questions and uncertainties about your future. Today, your questions about achieving this milestone are answered. Through personal commitment and dedication, you are prepared to tackle the state's and world's most challenging and complex problems. Your instructors have opened doors and created a desire to face a certain-uncertain future, wherever your life's work takes you. Together with the Carolina-family personal connections you have built over the years, you are ready to join the Innovation Generation embarking upon impactful careers.

In 1915, an article about soon-to-be Chancellor Edward Kidder Graham noted he was committed to a "University extension" where the impact of Carolina would be felt across North Carolina and the boundaries of the campus would be "co-extensive with the boundaries of the state." Today, thanks to the contributions of generations of Carolina graduates, these boundaries don't end at our state line. You now join these ranks and are ready to make contributions for the greater public good that extend across our nation and the world.

Congratulations, graduates! We look forward to learning about your accomplishments in the years ahead. Welcome to the ranks of alumni of the University of North Carolina at Chapel Hill.

Carol L. Folt

CAROL L. FOLT



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ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

If you have any questions regarding Commencement activities, or in the event of an emergency, please contact an usher.

Open captioning of the ceremony will be available on the video screens in the Dean Smith Center.*

This Commencement program is printed prior to administering final examinations. Therefore, including degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

All diplomas are printed after graduation and are mailed to graduates. Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Terry Rhodes, *Professor of Music and Senior Associate Dean, Fine Arts and Humanities*
	The Official Party
	The Faculty
	The Candidates for the Degrees of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health
	The Candidates for Master's and Professional Degrees
	The Candidates for Baccalaureate Degrees SENIOR CLASS MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS
Presiding	Carol L. Folt, *Chancellor of The University of North Carolina at Chapel Hill*
National Anthem	Jordan Gerber, *Class of 2017* WITH THE ENTIRE ASSEMBLAGE
Recognition of Platform Party	Carol L. Folt
Welcome Remarks	FOR THE BOARD OF GOVERNORS OF THE UNIVERSITY OF NORTH CAROLINA Joe Knott
	FOR THE BOARD OF TRUSTEES OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL Dwight Stone, *Chair*
	FOR THE GENERAL ALUMNI ASSOCIATION Teresa Williams, *Chair, Board of Directors*
Introduction of Commencement Speaker	Elizabeth Grady, *President of the Class of 2017*
Commencement Address	Paul Cuadros, *Associate Professor, UNC School of Media and Journalism and Executive Director of the UNC Scholars' Latino Initiative*
Recognition of Doctoral Candidates	Steven W. Matson, *Dean, The Graduate School*
Introduction of Deans, Conferring of Degrees, and Chancellor's Charge to the Graduates	Carol L. Folt
Ceremonial Recognition of the Graduates	Rich Burris, *Vice President of the Class of 2017*
"HARK THE SOUND"	Jordan Gerber
Academic Recessional	*Please remain in place for the recessional of the Official Party, Faculty and Candidates for Degrees – led by the Faculty Marshal and the Senior Class Marshals.*

CAROL L. FOLT

Chancellor

When Carol L. Folt became Carolina's 11th chancellor, and 29th in the lineage of leaders that dates back to Carolina's founding, she said: "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt, an internationally recognized life scientist, award-winning teacher and highly accomplished academic leader, has worked to fulfill that honorable charge by placing Carolina's students at the center, advancing the University's academic excellence, championing Carolina as a leading global public research university and focusing on innovation through the development of new avenues for entrepreneurship that are translating world-class ideas into real-world applications.

Carolina, which routinely ranks among the nation's top public universities and is noted as one of the best values in college education, welcomed its largest and most academically accomplished class this past fall. Once again selected from a record pool of applicants, 17 percent of the Class of 2020 are the first in their family to attend a four-year institution of higher education, and the number of active duty and veterans of military service on campus is the highest since WWII. Carolina is one of the nation's top ten research universities and ranks 8th in the nation for federal research funding. In the last couple of years, the University has reached nearly $1 billion in annual research expenditures.

Under the chancellor's leadership, Carolina has continued to improve on the school's winning track record of undergraduate diversity, retention and graduation rates – particularly for low-income, first-generation and underrepresented students – while moving forward with additional emphasis on Carolina's historic commitment to ensuring affordability and accessibility. Carolina is one of the few public universities that remains both need blind and covers the full financial need of its students. Carolina is the least expensive of 14 peer public universities, and debt-per-student, just over half of the U.S. average, has remained nearly flat in inflation-adjusted dollars for more than a decade.

As leader of North Carolina's flagship public university, Folt and her leadership team champion attracting, developing and retaining

world-class faculty that are focused on excellence in teaching and groundbreaking research. Carolina's faculty lead by doing, and each day they share their knowledge and excitement with the next generation who will face a rapidly evolving future as they embark upon impactful careers, many in fields that don't exist today. Carolina is committed to benefiting its local and state communities and to cultivating the global outlook of its students, with more than a third of its undergraduate students studying abroad – one of highest rates among public universities.

Folt believes a key mission of the chancellor is to share broadly stories about student and faculty excellence, demonstrating Carolina's value to the state and commitment to the future. An enthusiastic presence in classrooms and at campus events and athletic competitions, Folt brings students and faculty to every meeting of Carolina's Board of Trustees to discuss groundbreaking research and academic accomplishments, and she initiated significant investments in the communications team to tell stories to new audiences across the state, nation and world.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013 and served as a faculty member in the Department of Biological Sciences and academic leader. Folt's and her students' pioneering work on the effects of dietary mercury and arsenic on human and ecosystem health led to numerous changes in national and global policy and consumption advisories around the world. Folt graduated from the University of California Santa Barbara, earning both a bachelor's degree in aquatic biology and a master's degree in biology. She received her doctorate from UC-Davis and undertook a postdoctoral fellowship at Michigan State University before joining the faculty at Dartmouth.

When asked about the future, Folt said that while so much has been accomplished at the nation's first public university, the best is yet to come. She then smiled, and said, "I know this because I witness it on campus every day. The future is studying in our classrooms, working in our labs and serving our communities right now. I couldn't be more proud and optimistic."

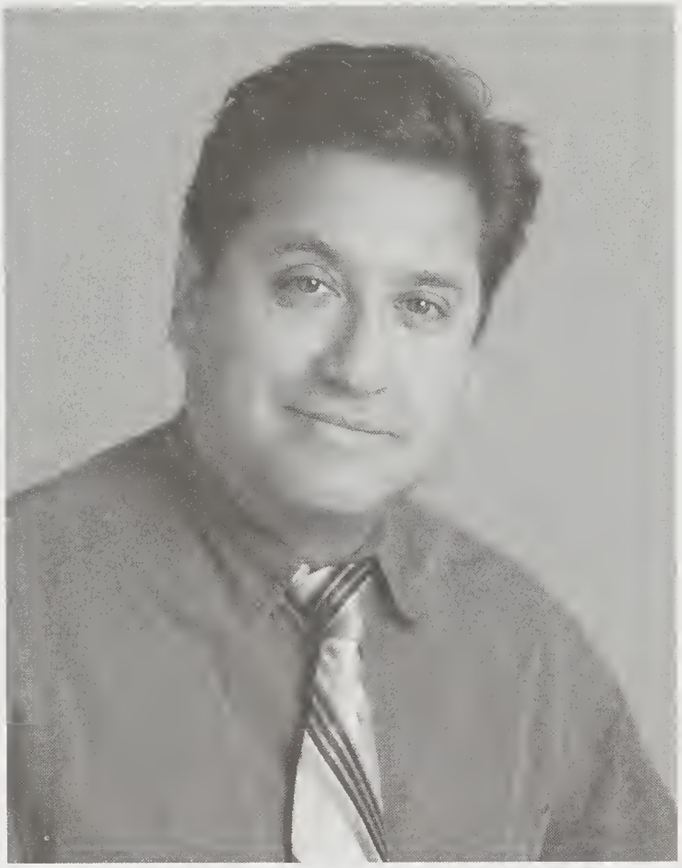
Follow @ChancellorFolt on Twitter

WHAT'S HAPPENING AT UNC

- In 2015, Dr. Aziz Sancar received the Nobel Prize for Chemistry, joining another faculty member, Dr. Oliver Smithies, who won the Nobel Prize in Physiology or Medicine in 2007.
- The University launched a first-of-its-kind public-private partnership with GSK, creating a research center on campus and the jointly owned Qura Therapeutics – a global, research-based pharmaceutical and healthcare company – dedicated to discovering a cure for HIV/AIDS.
- In February, Dr. Stephanie Wheeler and Dr. Niklaus Steiner participated in Vice President Joe Biden's panel discussion that was part of the Cancer Moonshot federal initiative to spur breakthroughs in cancer research.
- Carolina was recognized by the Foundation for Individual Rights in Education (FIRE) as one of the best universities in the U.S. for promoting freedom of speech, which is one of the hallmarks of the greatest American universities.
- For the second year in a row the oldest and most respected diversity-focused higher education publication, INSIGHT Into Diversity, honored Carolina for its outstanding commitment to diversity and inclusion.
- The University celebrated another record year of fundraising, receiving more than $495 million in commitments in fiscal year 2016, nearly a 10 percent jump from the previous year.

PAUL CUADROS

The Commencement Speaker



Paul Cuadros is an associate professor for The University of North Carolina at Chapel Hill's School of Media and Journalism. Cuadros, an award-winning investigative reporter who joined the University in 2006, serves as the chair of the UNC Scholars' Latino Initiative, a three-year mentoring and college preparatory program between Carolina students and Latino students at six area high schools. He is the co-founder of two campus organizations: the Carolina Latina/o Collaborative and the Latina/o Caucus. Cuadros won the UNC Diversity award in 2012 for his work opening doors for minority students, faculty and staff.

His book, "A Home on the Field: How One Championship Team Inspires Hope for the Revival of Small Town America," which tells the story of Siler City's struggles with Latino immigration through the lives of a predominantly Latino high school soccer team, was Carolina's summer reading program selection for new students in 2009. Cuadros is the only faculty member to have his or her book selected. His book has been chosen for summer reading programs at other universities. In 2014, Cuadros helped to create and starred in the television documentary series "Los Jets" produced by Jennifer Lopez that chronicled one season of the Jordan-Matthews High School soccer team featured in his book.

Cuadros has received numerous awards and recognitions, including a fellowship with the Alicia Patterson Foundation in 1999, the 2006 Alfred I. duPont-Columbia Journalism Award and the National Association of Hispanic Journalists' award.

Cuadros completed his undergraduate degree in communication and media studies at the University of Michigan in 1985 and earned his master's degree from Northwestern University's Medill School of Journalism, Media, Integrated Marketing Communications in 1991.

Officers of the Class of 2017

Elizabeth Sarah Grady, *President*
James Richardson Burris, *Vice President*
Alexandra Key Polk, *Chief Marshal*
Kylie Apple, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Marshals of the Class of 2017

Ranjitha Ananthan
Winston Arthur Bell
Amoya Christa'-ellen Bennett
Maribeth Blonchek
Townes Bourchard-Dean
Shavonne Renee Breeden
Aitza Briauna Burgess
Vanessa Canuto
Mary Kinsman (MacKinsey) Cole
Cameron Skylar Congleton
Phylicia Jasmin Currence
James Herbert Domenic Davis
Pooja Jitendra Deva
Daniel Marcelo Farfan
Abigail Patience Gay
Genet Fana Girmay
Connor Kyle Goggin
Megan Elisabeth Hardy
Elizabeth M. Harvell
Chloe Alistair Karlovich
Adrienne Marlo Kronovet
Elizabeth Lane
Michael Abraham Lewis
Sydney Rowan Mark
Allison Jesse Martin
Robert Cole McCauley
Tamera Ja'quel McLeod
Anne-Marie Mills
May Elizabeth Montague
Emily Robertson Morton
Treesa Ouseph
Abigail Spencer Parlier
Alexander Pritts
Grant Alexander Purcell
Madeline Brooke Reich
Caitlin Anne Rose
Katherine Ellis Ross
Shiva Michael Sethi
Aditya Umang Shah
Robert Tennyson Stewart
Mishana Jalissa Sturdivant
Sunshine Cristini Tsosie
Jason Urbano
Saisanjana Vattigunta

Graduate and Professional Student Federation Officers, 2016–2017

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DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication
Certificate – UNC Core

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Child Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Media and Journalism
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Ecology; Education; Educational Innovation, Technology and Entrepreneurship; English and Comparative Literature; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Physical Therapy
Master of Professional Science
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell Biology and Physiology; Chemistry; Clinical Rehabilitation and Mental Health Counseling; Computer

Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neuroscience; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research

Master of Science in Disaster Management

Master of Science in Environmental Engineering

Master of Science in Information Science

Master of Science in Library Science

Master of Science in Nursing

Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health

Master of Science in Recreation Administration

Master of Social Work

Doctor of Nursing Practice

Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell Biology and Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; English and Comparative Literature; Computer Science; Ecology; Economics; Education; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Informatics; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neuroscience; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology

Doctor of Dental Surgery

Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership

Doctor of Medicine

Doctor of Pharmacy

Doctor of Physical Therapy

Juris Doctor

CANDIDATES *for* GRADUATE DEGREES

December 2016 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Brice Douglas Acree, *Political Science,* Deep Learning and Ideological Rhetoric. Professor James Stimson.

Huda Salim Al Noumani, *Nursing,* Health Beliefs and Antihypertensive Medication Adherence in Oman. Professor Jia-Rong Wu.

Daniel Laurence Albaugh, *Neurobiology,* Functional Connectivity of the Rodent Striatum. Professor Yen-Yu Ian Shih.

Manuchehr Ali Aminian, *Mathematics,* The Role of Cross Sectional Geometry in the Passive Tracer Problem. Professors Roberto Camassa and Richard McLaughlin.

Penny Marie Anders, *Microbiology and Immunology,* Modulation of Signal Transduction and Transformation by Kaposi's Sarcoma-Associated Herpesvirus. Professor Blossom Damania.

Samuel Barrer Anderson, *Chemistry,* Exploring the Design and Synthesis of Conjugated Materials for Applications in Organic Electronics. Professor Wei You.

Ryan Annis, *Neurobiology,* Restriction of Apoptosis in Mature Neurons by Multiple Redundant Brakes. Professor Benjamin Philpot.

Nicole Marie Baker, *Pharmacology,* Evaluating the Therapeutic Potential of the PAK1 and TBK1 Kinases in Pancreatic Ductal Adenocarcinoma. Professor Channing J. Der.

Molly Leeanna Barnes, *Musicology,* The Rhetoric of Democracy in American Musical Discourse, 1842–1861. Professor Mark E. Bonds.

Ross James Beattie, *Chemistry,* Reactions of Alkyne and Nitrile Ligands in Tungsten (II) Complexes. Professors Joseph L. Templeton and Alexander Miller.

Nadya Maria Belenky, *Epidemiology,* Effects of Medicare Part D on Medicaid-Medicare Dual Eligibles with HIV. Professor Brian Pence.

Habtamu Kassa Benecha, Biostatistics, Marginally Specified Mean Models for Counts With Mixture Distributions. Professor John Preisser.

Kristin Zeneé Black, *Maternal and Child Health,* The Birth Outcomes and Reproductive Needs of Premenopausal Breast Cancer Survivors: A Mixed Methods Study. Professor Diane Rowley.

Katie Stallard Bolling, *Genetics and Molecular Biology,* Regulation of H2B Monoubiquitylation by RNP Recycling Protein Prp24. Professors Arnold G. Matera and Brian D. Strahl.

Daria Bozzato, *Romance Languages and Literatures,* "L'Invisibile al di là Degli Spessori": Esoterismo ed Occultismo Nel Futurismo Italiano. Professor Federico Luisetti.

Michelle Brodeur, *Marine Sciences,* Interspecific Competition and Predation Control Euhaline Oyster Reef Development. Professor F. Joel Fodrie.

Andre L. Brown, *Health Behavior,* Opportunity Matters: A Mixed-Methods Study of Socioeconomic Standing, Masculinity and Concurrency Among Black Men. Professor Wizdom Powell.

Kristen Nichole Brugh, *Maternal and Child Health,* Impacts of an Unconditional Cash Transfer on Household Food and Nutrition Security and Child Health Outcomes in Malawi. Professor Gustavo Angeles.

Joseph D. Bryan, *History,* Dazzled, Blinded and Numb: The Body and Society in Eighteenth-Century France. Professor Jay Smith.

Domonique Louise Bulls, *Education,* The Perspectives and Experiences of African American Students in an Informal Science Program. Professor Eileen Parsons.

Orisanmi Burton, *Anthropology,* Attica Is: Revolutionary Consciousness, Counterinsurgency and the Deferred Abolition of New York State Prisons. Professor Charles R. Price.

Jennie Lauren Butler, *Nutrition,* Understanding Associations of Alcoholic Beverage Consumption With Weight Status. Professor Barry M. Popkin.

Emily Lynn Butler, *Biostatisties,* Using Patient Preferences to Estimate Optimal Treatment Strategies for Competing Outcomes. Professor Michael R. Kosorok.

Jabari Calliste, *Materials Science,* A New Stationary Digital Breast Tomosynthesis System: Implementation and Characterization. Professors Otto Zhou and Jianping Lu.

John David Casachahua, *Psychology,* The Role of Cytokines in Binge-Like Ethanol Consumption and Ethanol-Induced Sedation. Professors Donald Lysle and Todd Thiele.

Alexandra M. Chassanoff, *Information and Library Science,* Historians' Experiences Using Digitized Archival Photographs as Evidence. Professor Christopher Lee.

Dmitriy Chernookiy, *Chemistry,* Optimization of the Cylindrical Ion Trap Geometry for Mass Analysis at High Pressure. Professor John Ramsey.

Robert Anderson Cochran, *Computer Science,* Symbolic Verification of Remote Client Behavior in Distributed Systems. Professor Michael Reiter.

Leslie E. Cofie, *Health Behavior,* A Mixed Methods Study of Social Network Characteristics and Health Facility Delivery Among Women in Rural Ghana. Professor Clare Barrington.

Jason Robert Combs, *Religious Studies,* Epiphanies in Second- and Third-Century Christian Literature: Discourse, Identity and Divine Manifestations. Professor Bart D. Ehrman.

Mark Damron Constantine, *Education,* Education and Philanthropy in the American South: A Case History of the Danville Regional Foundation's Investment in Smart Beginnings. Professor Fenwick English.

Elizabeth Anne Cromwell, *Epidemiology,* Aedes Aegypti Density and Risk of Dengue Virus Seroconversion. Professor Steven Meshnick.

Monica D'Arcy, *Epidemiology,* Exploring the Association Between Antidepressants and Colorectal Cancer in Administrative Data: Negative Controls, Active Comparators and Algorithms. Professors Jennifer L. Lund and Til Surmer.

Nadia Kathryn Dawisha, *Communication Studies,* The Fashion Industry as a Slippery Discursive Site: Tracing the Lines of the Flight Between Problem and Intervention. Professor Patricia Parker.

Fei Dong, *Nutrition,* Intra-Familial Concordance in Lifestyle Behaviors and Cardiometabolic Risk in Rapidly Modernizing China. Professor Penny Gordon-Larsen.

Pawinee Doung-Ngern, *Epidemiology,* Epidemiology of Q Fever Among Dairy Cattle Farms and Farmers, Chiang Mai, Thailand, 2015. Professor Steven Meshnick.

Julia Louise Malik Dunn, *Microbiology and Immunology,* Modulating Innate Immunity Improves Outcomes in Acute Lung Injury. Professor Bruce Cairns.

Todd Alexander Durham, *Health Policy and Management,* Can Novel Competing Risks Prediction Models Improve Population Health in Adults With Newly Diagnosed Atrial Fibrillation? Professor Kristen Hassmiller Lich.

Margaret Esch, *Ecology,* Investigating Tidal Inundation, Pore Water Seepage, and Groundwater Flow Within a Salt Marsh of the Florida Gulf Coast. Professor Jaye Cable.

Meredith A. Farmer, *English and Comparative Literature,* Melville's Ontology. Professors Jessica Wolfe and Timothy Marr.

Phylicia Fitzpatrick Fleming, *School Psychology,* Out-of-Home Placement and Educational Well-Being of Black Adolescents: An Examination of School Engagement and Special Education Involvement. Professor Rune J. Simeonsson.

Melissa Ann Fraser, *Human Movement Science,* The Associations Between Sport-Related Concussion, Head Impact Biomechanics and Emotion Dysregulation in High School Athletes. Professor Kevin M. Guskiewicz.

Melissa Furlong, *Epidemiology,* Prenatal Exposure to Organophosphorus Pesticides and Childhood Neurodevelopmental Phenotypes. Professor Stephanie Engel.

Daniel Fitzgerald Giblin, *History,* Digging for Victory: Mobilization of Civilian Labor for the Battle of Kursk, 1943. Professor Donald Raleigh.

Justin Miller Godinho, *Chemistry,* Packing and Characterization of Capillary Columns for Ultrahigh-Pressure Liquid Chromatography. Professor James Jorgenson.

Morgan McFarland Goheen, *Microbiology and Immunology,* Iron Deficiency Anemia and the Pathogenesis of Falciparum Malaria. Professors Kristina De Paris and Carla Cerami.

Ardeshir Goliaei, *Biochemistry and Biophysics,* Poration of Biological Membranes by Antimicrobial Peptides and Pressure, Insights from Computer Simulations. Professor Max Berkowitz.

Agnieszka Grabon, *Cell and Developmental Biology,* Atomistic and Cellular Analysis of Start Phosphatidylinositol Transfer Proteins in the Context of the Phospholipid Extraction Mechanism and Phosphoinositide Signaling in the Parasite Toxoplasma. Professor Vytas A. Bankaitis.

Willie James Griffin, *History,* Courier of Crisis, Messenger of Hope: Trezzvant W. Anderson and the Black Freedom Struggle for Economic Justice. Professors Jerma Jackson and James Leloudis.

Laura Maria Gutierrez Escobar, *Anthropology,* The Political Ontology of Seeds: Seed Sovereignty Struggles in an Indigenous Resguardo in Colombia. Professor Arturo Escobar.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Christopher Daniel Higgins, *Biology,* Investigating Molecular Mechanisms Underlying Morphogenetic Cell Shape Change. Professor Bob Goldstein.

Mary Kathleen Higgins Neyland, *Psychology,* Culturally Specific Factors Associated With Eating Disorder Pathology, Treatment, and Identification Among Latinas. Professor Anna Bardone-Cone.

Natalie Starr Holman, *Toxicology,* Investigating the Role of Hepatocyte-Derived Exosomes in Drug-Induced Liver Injury. Professors Edward LeCluyse and Paul Watkins.

James Matthew Holt, *Computer Science,* Using the Multi-String Burrow-Wheeler Transform for High-Throughput Sequence Analysis. Professor Leonard McMillan.

Matthew R. Hotham, *Religious Studies,* Seeing God With Both Eyes: Asceticism, Ascension and Poetry in the Makhzan Al-Asrar of Nizami Ganjavi (D. 1209). Professor Carl W. Ernst.

Katelyn Rose Houston, *Chemistry,* Functional Polyesters for Biomedical and Industrial Applications. Professors Wei You and Valerie Ashby.

Julianne Huang, *Chemistry,* Short Palate Lung and Nasal Epithelium 1 and Airway Disease. Professors Matthew Redinbo and Stephen L. Tilley.

Jane Moore Hughes, *Social Work,* Sleep Problems in United States Military Veterans. Professor Matthew Howard.

David Irvin, *Genetics and Molecular Biology,* Astrocytes and Their Response to Pathology. Professor Timothy Gershon.

Yuhang Jiang, *Pharmaceutical Sciences,* Block Ionomer Complex Formulations for In Vivo Protein Delivery. Professor Alexander Kabanov.

Minjeong Jo, *Nursing,* Perceived Quality of Communication with ICU Physicians and Nurses and Its Relationship to Symptoms of Anxiety, Depression and Stress Among Family Members of Chronically Critically Ill Patients in Korea. Professor Mi-Kyung Song.

Catherine L. Jo, *Health Behavior,* The Effect of E-Cigarette Print Advertisements on Smoking Cessation. Professor Kurt M. Ribisl.

Khalilah Robinson Johnson, *Occupational Science,* Daily Life Participation in a Residential Facility for Adults with Intellectual Disabilities: An Institutional Ethnography. Professor Nancy Bagatell.

Shawn Christopher Tracey Jones, *Psychology,* Doing the Best We Can. Black Parenting Couples' Discussions of the Racial Socialization Process: A Mixed-Methods Analysis. Professor Enrique W. Neblett.

Panitan Jutaporn, *Environmental Sciences and Engineering,* Relationship Between Organic Fouling of Polyvinylidene Fluoride (PVDF) Ultrafiltration (UF) Membranes and the Fluorescence Signature of Dissolved Organic Matter in Raw and Pretreated Feed Waters. Professor Orlando Coronell.

Christine Seul Ki Kim, *Oral Biology,* Short Palate Lung and Nasal Epithelium Clone 1 Dissociates and Endocytoses the Epithelial Sodium Channel. Professors Robert Tarran and Roland Arnold.

Doo Nam Kim, *Biochemistry and Biophysics,* Computer-Based Design of ß-Sheet Containing Proteins. Professor Brian Kuhlman.

Alan Kinlaw, *Epidemiology,* Antibiotic Prescribing During Infancy and Risk of Treated Obstructive Airway Diseases During Early Childhood: A Registry-Based Nationwide Cohort Study in Denmark. Professor Til Stürmer.

Jacek Kolacz, *Psychology,* Investigating Infant Crying Persistence and Cry Acoustic Features as Early Risk Indicators for Social Adjustment: Developmental Associations With Infant Vagal Tone and Attachment Stress. Professor Jean-Louis Gariépy.

Audra Eileen Kosh, *Education,* The Effects on Mathematics Performance of Personalizing Word Problems to Students' Interests. Professor Gregory J. Cizek.

Pavel Krajcevski, *Computer Science,* Improved Encoding For Compressed Textures. Professor Dinesh Manocha.

Laura Elizabeth Kurtz, *Psychology,* An Empirical Examination of 'Love at First Sight': The Effect of Similarity in Attractiveness on Automatic Mate Selection Behaviors. Professor Saran Algoe.

Anne-Marie Ladouceur, *Biology,* Molecular Mechanisms Regulating Chromosome Size Scaling During C. Elegans Early Embryonic Development. Professor Paul S. Maddox.

Katherine Diana Lavoie, *Chemistry,* Investigations into Pt-C Multiple Bonds With Spectator Scorpionate Ligands. Professor Joseph L. Templeton.

Helen Hye Eun Lee, *English and Comparative Literature,* Imprisoned Voices: Rhetorics of Community in Prison Writings. Professor Jane Danielewicz.

Yin Li, *Nursing,* A Human Capital Approach to Examining Primary Care Nurses' Contributions to Primary Care and Their Economics Returns. Professor Cheryl Jones.

Brandon M. Linz, *Microbiology and Immunology,* Cellular Mechanisms of Immune and Hematopoietic Dysfunction Following Radiation and Burn Injuries. Professors Bruce Cairns and Edward Miao.

Hexuan Liu, *Sociology,* Integration of Sociology With Genomic Data in Studies of Social Stratification and Delinquency. Professor Guang Guo.

Wei Liu, *Computer Science,* Localizing Objects Fast and Accurately. Professors Alexander Berg and Tamara Berg.

Lara Mary Joann Lorenzetti, *Health Policy and Management,* Microfinance, Health and Empowerment: Evaluating the Effect of an Integrated Intervention on Client Revenue and Profit in Benin. Professor Bruce Fried.

Daniel Lupu, *Nutrition,* One-Carbon Metabolism and Hepatocellular Carcinoma. Professor Steven Zeisel.

Susan Michelle Lyons, *Biology,* Behavioral and Monoaminergic Responses to the Social Environment Throughout the Life of a Songbird (Melospiza lincolnii). Professor Keith W. Sockman.

Fatima Manzoor, *Microbiology and Immunology,* Tissue-Specific Cytokine-Based Immunotherapy to Treat Type 1 Diabetes. Professor Roland M. Tisch.

Brian Davis McCarthy, *Chemistry,* Assessing Non-Aqueous Proton-Coupled Electron Transfer Reactions Through Electrochemical Methods. Professor Jillian Dempsey.

Stephen Lee McDaniel, *Genetics and Molecular Biology,* Expanding the Function of Histone H3 Lysine 36 Methylation in Saccharomyces Cerevisiae. Professor Brian Strahl.

Jared Thomas McGuirt, *Nutrition,* Formative Evaluation of a Food Access Enhanced Nutrition Education Program. Professor Alice Ammerman.

Theresa McKim, *Psychology,* Neurocognitive Investigations of Habitual Behavior Modification. Professor Charlotte A. Boettiger.

Charles Miller, *Genetics and Molecular Biology,* Investigating Pre-Mating and Post-Mating Reproductive Isolation in Drosophila. Professor Daniel Matute.

Lonna Mollison, *Genetics and Molecular Biology,* The Drosophila Melanogaster Protein Suppressor of Sable Negatively Regulates Transposon-Containing Transcripts by a Mechanism That Involves Directly Binding to Its RNA Target. Professor Lillie Searles.

Zachary Aaron Morseth, *Chemistry,* Elucidating Energy and Electron Transfer Dynamics Within Molecular Assemblies for Solar Energy Conversion. Professors John M. Papanikolas and Yosuke Kanai.

Kathleen Mulvancy, *Cell and Developmental Biology,* Proteomic Dissection of KEAP1/NRF2 Signaling to Determine New Pathway Interactors in Cancer. Professor Michael B. Major.

Angela Patricia Murillo, *Information and Library Science,* Data Sharing and Data Reuse: An Investigation of Descriptive Information Facilitators and Inhibitors. Professor Jane Greenberg.

Sarah Nahm, *Maternal and Child Health,* Maternal Adherence to a Mediterranean Diet During Pregnancy, Infant DNA Methylation at Birth and Weight Gain in Infancy. Professor Diane Rowley.

Jessica E. Nesmith, *Genetics and Molecular Biology,* Investigation of FLT1 and VEGF Signaling in Connections During Developmental Sprouting Angiogenesis. Professor Bob Goldstein.

Sandra Maike Christine Niethardt, *German Studies,* Narration and Consciousness in the Late Eighteenth-Century German Novel. Professor Jonathan Hess.

Mark D. Noble, *Sociology,* Illuminating Democracy: Trends, Predictors and Outcomes of Liberal Democracy 1972–2013. Professor Kenneth Bollen.

Colin Padraic O'Banion, *Pharmaceutical Sciences,* Cellular Optogenetics for Spatiotemporal Control of Kinase Signaling and Biological Trojan Horses for Light-Mediated Drug Release. Professor David Lawrence.

Folabomi Abiola Oladosu, *Neurobiology,* Elucidating the Role of MOR-1K in Opioid-Induced Hyperalgesia. Professor Andrea Nackley.

Colleen O'Neil, *Chemistry,* Investigation Into the Use of Thermoplastic Nanochannels for Time of Flight (ToF) Detection of Nucleotide Monophosphates: Towards Single Molecule DNA Sequencing. Professor Steven A. Soper.

Humberto Parada, *Epidemiology,* Post-Diagnosis Changes in Polycyclic Aromatic Hydrocarbon Sources of Exposure and Survival Following Breast Cancer. Professor Marilie Gammon.

Marcela Veronica Parada Contzen, *Economics,* Individual Risk Aversion Through the Life Cycle. Professor Donna Gilleskie.

Chonhyon Park, *Computer Science,* High-DOF Motion Planning in Dynamic Environments using Trajectory Optimization. Professor Dinesh Manocha.

Bailey Cristina Eileen Peck, *Genetics and Molecular Biology,* Analysis of MicroRNA Function in the Gastrointestinal Tract. Professor Praveen Sethupathy.

Kayla M. Peck, *Biology,* Characterizing the Biochemical Determinants Governing MERS-Coronavirus Host Range. Professors Christina Burch and Mark Heise.

Karen Marie Plevock Haase, *Biochemistry and Biophysics,* Regulation and Function of Centrosome Associated Proteins. Professors Kevin Slep and Nasser Rusan.

Matthew Austin Psioda, *Biostatistics,* Statistical Methods for Bayesian Clinical Trial Design and DNA Methylation Deconvolution. Professors Joseph G. Ibrahim and Wei Sun.

Jordan Travis Radke, *Sociology,* Opting Out: Efficacy, Identity and Ideology in the Modern Homesteading Movement. Professor Kenneth Andrews.

Wenika Rattanavaraha, *Environmental Sciences and Engineering,* Chemical Characterization and Source Apportionment of Organic Aerosol at Urban and Rural Sites in the Southeastern United States. Professor Jason D. Surratt.

Kyle Gregory Reeves, *Chemistry,* Quantum Dynamics of Excited Electrons From First-Principles: Hot Carrier Relaxation and Electronic Stopping. Professor Yosuke Kanai.

Elizabeth Piccard Reischmann, *Geological Sciences,* Self-Organization of the Climate System: Synchronized Polar and Oceanic Teleconnections. Professor Jose Rial.

Noelle-Erin Frances Romero, *Genetics and Molecular Biology,* Biochemical Activities and Genetic Functions of the Drosophila Melanogaster FANCM Helicase in DNA Repair. Professors Steven Matson and Jeff Sekelsky.

Meagan Ryan, *Pharmacology,* Targeting the ERK MAPK Pathway in RAS-Driven Cancers. Professors Channing Der and Adrienne Cox.

Andrew B. Satterlee, *Biomedical Engineering,* Applications for a Radio-Theranostic Nanoparticle With High Specific Drug Loading. Professor Paul A. Dayton.

Allison Kate Hamer Schlobohm, *Communication Studies,* Preventing HIV by Creating SISTA Strength: An Analysis of One U.S.-Sponsored Intervention Into Black Women's Health. Professor Erik K. Watts.

Lekha Shupeck, *History,* Patrocinium Orbis Terrace: Principles of Roman Foreign Relations to the Fall of Carthage. Professor Richard Talbert.

Jack Andrew Silano, *Physics,* Sub-Barrier Photofission Measurements in 238U and 232Th. Professor Hugon Karwowski.

Robert J. Soto, *Chemistry,* In Vivo Analytical Performance Assessment of Nitric Oxide-Releasing Glucose Biosensors. Professor Mark Schoenfisch.

Jason A.Staples, *Religious Studies,* Reconstructing Israel: Restoration Eschatology in Early Judaism and Paul's Gentile Mission. Professor Bart D. Ehrman.

Jacob I. Stuckey, *Pharmaceutical Sciences,* Design and Characterization of Chemical Probes Targeting the Chromodomains of Polycomb Repressive Complex I. Professor Stephen Frye.

Nathan Swanson, *Geography,* The Politics of Home in Jerusalem: Partitions, Parks and Planning Futures. Professor Pervin B. Gökarıksel.

Diane M. Talley, *Education,* Arguing for Validity When Using a Small Scale Study to Determine the Content of a Montessori Teacher Credentialing Test. Professor Rita O'Sullivan.

Dennis Tarasi, *Ecology,* Community Interactions and Impacts of Exotic Plant Species in the Southeastern United States. Professor Robert K. Peet.

Katherine R. Tech, *Biomedical Engineering,* The Intersection Between Aerobic Glycolysis, Cerebellar Neurogenesis, and Medulloblastoma. Professor Jeffrey Macdonald.

David Ticehurst, *Physics,* An Investigation of Proton Pair Correlations Relevant to the Neutrinoless Double Beta Decay of 76Ge. Professors Calvin Howell and Arthur Champagne.

Sarah Emily Tomkovich, *Microbiology and Immunology,* The Interplay Between Inflammation and Microbial Activities in Colorectal Cancer. Professor Christian Jobin.

Perry Meng-che Tsai, *Microbiology and Immunology,* Investigation of HIV Cure Strategies In Vivo in BLT Humanized Mice. Professors J. Victor Garcia-Martinez and Kristina De Paris.

Li-Chung Tsao, *Genetics and Molecular Biology,* Virus-Host Interactions in HIV-1 Pathogenesis and Viral Immune Evasion. Professor Lishan Su.

Melanie April Ungar, *German Studies,* Gender and Humor in German Literature of the Fin de Siècle. Professor Eric Downing.

Lakshmi Pradeepa Vennam, *Environmental Sciences and Engineering,* Assessment of Aircraft Emissions Impacts on Air Quality at Multiple Model Scales. Professors William Vizuete and Saravanan Arunachalam.

Sirion Vittayakorn, *Computer Science,* Visual Attribute Discovery and Analyses From Web-Data. Professor Tamara L. Berg.

Andrew Giles Walden, Chemistry, Oxidative Electrochemistry of Molecular Catalysts. Professor Alexander J. M. Miller.

Dana M. Walsh, *Toxicology,* The Airway Microbiome After Burn and Inhalation Injury, Professors David Diaz-Sanchez and Ilona Jaspers.

Lindsay Walton, *Chemistry,* Developing Methodologies to Explore Neurovascular Coupling on a Micron Scale. Professors R. Mark Wightman and James Jorgenson.

Yanqian Wang, *Physics,* Manipulation of Single DNA Molecules Through Nano-Fluidic Devices: Simulation and Theory. Professor Sean Washburn.

Yilin Wang, *Computer Science,* Efficient Techniques for High Resolution Stereo. Professors Jan-Michael Frahm and Enrique Dunn.

Bryan Ward, *Computer Science,* Sharing Non-Processor Resources in Multiprocessor Real-Time Systems. Professor James Anderson.

Kevin Wierman, *Physics,* Studies of Charge Accumulation in the KATRIN Main Spectrometer. Professor John Wilkerson.

Atet R. Wijoseno, *Economics,* Three Essays on Banking, Monetary Policy and Regional Economy in Indonesia. Professor Neville Francis.

Kenton Tyler Woodard, *Neurobiology,* Evaluation of Adeno-Associated Virus Trafficking and Transduction in the Retina. Professor R. Jude Samulski.

Stephanie Anne Wright, *Education,* Exploring the Mathematical Identities of Successful Latino High School Students. Professor George Noblit.

Angela Yang, *Pharmaceutical Sciences,* Exploring and Harnessing PEG-Immune System Interactions to Engineer Targeted Stealth Nanoparticles. Professor Samuel K. Lai.

Xiao Yang, *Geological Sciences,* Phase Synchronization Between Polar Climates: Its Identification, Evolution and Connection to the Abrupt Warming Events of the Last Glacial Period. Professor Jose Rial.

Dongqing Yu, *Statistics and Operations Research,* Data-Driven Quality of Service Improvements in Hospitals. Professors Haipeng Shen and Serhan Ziya.

Zhixian Yu, *Genetics and Molecular Biology,* Excess Centrosomes in Endothelial Cells: Causes and Effects. Professors Victoria Bautch and Jean Cook.

Grzegorz Zapotoczny, *Genetics and Molecular Biology,* Contribution of DNA Helicases to Genome Stability. Professor Jeff Sekelsky.

Yu Zhang, *Statistics and Operations Research,* Index Policies for Patient Scheduling and ATM Replenishment. Professor Vidyadhar Kulkarni.

Wenze Zhong, *Nutrition,* Understanding Hypoglycemia from Population, Individual and Behavioral Perspectives. Professor Elizabeth Mayer-Davis.

DOCTOR OF EDUCATION

Rhonda Faye Sinquefield, *Curriculum and Instruction,* A Mixed Methods Study of the Impact on Self-Efficacy, Beliefs and Mathematical Knowledge for Teaching Through Professional Development on Student Thinking. Professor Janice Anderson.

DOCTOR OF NURSING PRACTICE

Carolina Dimsdale, *Nursing Practice,* A Needs Assessment to Address Family Presence During Resuscitation. Professor Meg Zomorodi.

DOCTOR OF PUBLIC HEALTH

John Bainbridge, *Biostatistics,* Modeling the Diffusion of Sentinel Lymph Node Biopsy in Breast Cancer Treatment. Professors Pranab Sen and Chirayath Suchindran.

Stacy-Ann Christian, *Health Policy and Management,* Lessons From the Implementation of the Jamaican 2007 Hypertension Programme. Professor John E. Paul.

Tyonne Dawnte Hinson, *Health Policy and Management,* Perceptions of the Facilitators and Barriers of Breastfeeding Initiation: Increasing Initiation Through a Tailored, Multi-Level Intervention Approach for African American Mothers and the Community. Professor Asheley Skinner.

Wei Xue, *Biostatistics,* Genetic Association Analysis on Secondary Phenotypes and Group Conditional Variable Importance in OPPERA Study. Professor Eric Bair.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

December 2016

The School of Law

ESTABLISHED 1843

Dean Martin H. Brinkley

JURIS DOCTOR

Amanda Michelle Hayes

The School of Medicine

ESTABLISHED 1879

Dean William L. Roper

DOCTOR OF MEDICINE

Thomas Francis Blair
Matthew Finzen
Sudha Meghan
Robin Elaine Muller
Bryan Andrew Strelow
Margarita Varer

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

FOR CAROLINA'S NEWEST ALUMNI

The UNC General Alumni Association is eager to help the class of 2015 make a successful transition from student to alumna/us. We'll keep Carolina connections strong by introducing our newest graduates to our vast network of supportive alumni. We also provide communications, programs and services to keep you informed and involved.

ALUMNI RECORDS
Don't miss out on special invitations and services. Keep your record updated.

ALUMNI CAREER SERVICES
The GAA's Alumni Career Services will help you navigate employment options and opportunities throughout your career. Whether you already have a job, are heading to graduate school or are still looking for your next step, we can help.

EVENTS WITH TAR HEELS
No matter where you roam, there will likely be others in your midst who attended Carolina. The GAA will help with those introductions – don't miss out.

SOCIAL MEDIA
Jump start your alumni life – join the GAA's groups on Facebook, LinkedIn, Twitter and Instagram.

TRUSTED SOURCE
Information is everywhere, but you can count on the GAA's young alumni e-newsletter The Quad and the Carolina Alumni Review to bring you home again with every issue.

Special membership rates are available to new grads. Save $50 on life membership – $32.35/month for 24 months. New grads can also save $20/year on the first three years of an auto-renewing membership.

THE UNIVERSITY OF NORTH CAROLINA • GENERAL ALUMNI ASSOCIATION •

For more information on how the GAA serves new graduates, please call Katie Thore '15 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CANDIDATES *for* GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

December 2016

The Graduate School
ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Biology
Laura A. Sligar

Education
Xuyang Cao
Chen Chen
Meiyun Chen
Shilei Chen
Zhe Chen
Wen Cheng
Zirui Dang
Huijia Huang
Jie Ji
Meng Jia
Xiaohan Jia
Linchang Li
Yuwen Li
Qian Liu
Yuxuan Liu
Yingmei Mai
Tiffany G. Monaco
Yi Qin
Mengjia Shi
Siqi Sun
Yunmu Xiao
Fan Yang
Ru Yi
Yuejia Yin
Qingxin Zhou

Exercise and Sport Science
Mikaela Paige Davis

Folklore
Shyra Peyton

Linguistics
Grant Matthew Huffman
Daniel James Seabrooks
Ye Zhao

Mass Communication
Scott Christopher Geier

Musicology
Sarah Elizabeth Tomlinson

Philosophy
Min Tang

Political Science
Devin Jacob Christensen

Psychology
Page Sloan Dobson
Jason He
Christina Litten Lebonville
Jennifer Kay MacCormack
Nathan David Markiewitz
Giulia C. Pancani
Dana Michelle Pettygrove
Lillian Reuman
Samuel Adam Smith
Chloe Rebecca Zachary

Sociology
Akram Al-Turk
Renee Catherine Ryberg

Technology and Communication
Beau Berman
Paula Brown-Williams
Samantha Reimer Carpenter
Amanda Leann Dailey
John Bayliff Frank
Hillary Jones
Alan Dixon Maynard
Jennie Louise Saia
Kelsey Seidler
Ashlie Brook White
Ashley Wolf
Kimberly Lynn Workman

MASTER OF FINE ARTS

Dramatic Art
Katherine Wallace Keener

MASTER OF SCIENCE

Biostatistics
Amaanti V. Sridhar

Cell Biology and Physiology
Timothy Dennison Cupp
Kala Ndi Nwachukwu

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Chemistry
Anginelle Alabanza
Alex Chao
Ernest Nicholas Jenkins
Leandro Luiz Santos
Adrienne Lee Snyder
Alyssa Vollaro
Shaylyn Walter
Marc H. Webb

Computer Science
Hasan Faik Alan
Philip Ammirato
Aniket Bera
Rohan Chabra
Jeshurun Chisholm
Andrew Wadie Ghobrial
Liang He
Jun Jiang
Danwei Li
Catherine Elizabeth Nemitz
Ke Wang

Economics
Daniel McLean Mills
Xudong Wang

Environmental Sciences and Engineering
Katherine Lenore Broadwater
Martha Scott Tomlinson

Genetics and Molecular Biology
Katie Stallard Bolling
Alicia Greenwalt

Marine Sciences
Kathleen Marie Onorevole

Nutrition
Alberto Vargas

Occupational Therapy
Ryan Adam Adasme

Pharmaceutical Sciences
David Joel Freeman
Donald Allen Thompson III

Physics
Gulden Othman

Statistics and Operations Research
Dillon Randall Ashburn
David Benusa
Eric Bernard Friedlander
Jie Huang
Yuqin Mu
Hanyan Wang
Ying Wang
Chang Xu
Siyun Yu

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF ACCOUNTING
Travis S. Baten
Brad Bertinot
Matthew J. Dreiling
Taylor Knowles Fogg
Leanne Grace Fredericks
Patricia A. Glidewell
Brandon Ku
Rebecca R. Larsen
Elna Elaine Picton
Gregory Tuthill
Elizabeth Ann Yumi Vanderbeek

MASTER OF BUSINESS ADMINISTRATION
Robert Anthony Adamov
Bradford R. Adams
David M. Alexander
Geoffrey Kenneth Allen
Alexander S. Angelo
Rockey Aye
Christopher M. Babcock
Jennifer K. Bahus
Louis M. Barbieri
James Edward Barfoot
Monica Bastola
Robert Joshua Baty
Mark R. Benfield
Kurt T. Benhoff
Alexander M. Bertelli
Ashish Bhatia
Matt Bieber
Anthony Bizzaro
William J. Bogard
Elizabeth K. Borck
Nina Borysova
Chris Bourassa
Susan Davis Brady
Jessica Ann Bragdon
Henry J. Breton
Felix Ofori Brobbey
Diana Y. Brown
Rebecca R. Brown
Timothy Scott Brunt
Paul M. Byrne
Julianna R. Cagle
Amy B. Campbell
Matthew J. Capaldo
Ryan Michael Carfley
Mark C. Cash
Judy Chan
Praveenkumar Cheruvu
Jesse Clark
Nathan J. Cobb
Charles Michael Cohn
Christopher M. Colangelo
Allan Collins
Patrick J. Cooley
Kenneth R. Copeland
Christopher Samuel Cortina
Jesse Vernon Counihan
John Cox
Michael Crossen
Scott M. Curtin
Gregory Thomas Denne
Tyler Layne Denney
Hunter James Diefes
Richard Dooley
Christopher John Dovichak
Carolyn M. Durchholz
Benjamin I. Ebong
Nneka A. Ekechukwu
Melick V. Elliott
Mark Christopher Embree
Christopher Daniel Erickson
Ramsey M. Fanous
John J. Farner
Jean-Mathieu Farret
Matthew M. Farver
Laura Austin Favitta
Alejandro Fernandez-Villa
Robert G. Filby
Emily Derr Firippis
Michael G. Freedman
Lewis Baker Freiberg
Kristen J. Freiburger
Jose L. Fuentes
Michael Gee
Andrew G. Genser
Nathan C. George
Chad John Gerencer
Kurt Gibson
Natalie Marie Gibson
Lawrence Gillum
Clarissa Renee Goodlett
Edward Goodwin
John Howard Gouveia
Jennifer Gowen
Joseph R. Graham
Henry E. Grimball
Crystal C. Gwynn
Bryan Hall
Kenyetta K. Hall
Martin A. Hampson
Brandon Hart
Charles A. Hatton
Katherine A. Hayek
Mu He
Peter J. Henrikson
Clay C. Herring
David S. Hier
Johgre J. Hinton
Eric P. Hoffman
William J. Holton
Stephen R. Holtz
Joseph John Houldin III
Sonetra A. Howard
Hong Xin George Huan
Elizabeth Hugo
Rachel B. Hutson
Akber Ibrahim
Odi Ikpe
Krishan Bihari Intwala
Michelle Irvin
Matthew K. Jennerich
Nicholas L. Joy
Ravi Kant Kashyap
Coby Ryan Kavanaugh
Dave P. Keesor
Sarfraz Khokhar
Matthew C. Kirchoff
James L. Kirschner
Kelly Will Knight
Kevin J. Koenig
John P. Kurtzweil
Christine Lasway
Melissa Anne Laurance
Andrew J. Lavin
Olujide G. Lawal
Kevin R. Laycock
Erica E. Leblanc
Catherine Mary Reed LeCompte
Stephen E. Lee
Douglas Legan
Megan E. Lewis
Xi Lin
Giovanni Llibre
Brian D. Lockhart
Stephen M. Long
Gerald Isaac Love
Stephanie M. Macholtz
Ryan A. Mack
Udai K. Manubarthi
Alejandro Marton
Patrick A. McCarthy
Sunita McCoy
Ann Kathryn McDowell
Daniel H. McElwee
Brendon McGann
Jennifer J. McGuire
Samuel S. McKelvey
Joshua M. Meyer

Eric K. Millard
Charles Miller
Christopher Brent Miller
Curtis William Miller
Idriss Moluh Njimogna
Jonathan Bradley Moore
Richmond W. Moore
James G. Moran
Gregory A. Morrissey
Ryan Murphy
Franco J. Mussini
Daniel Charles Nelson
Barrett A. Nichols
Jonathan E. Noble
Robert Michael Notari
Matthew David Oettinger
Kelley Noel O'Leary
George J. Olney
Leonid Onyiego
Omar A. Orqueda
Rajiv Pamidimukkala
Vijay Parthasarathy
Kedar Jayant Patankar
Kevin Louis Paul
Coleman Ray Patrick Payne
Jason Bernard Pearson
Angel Tadeo Perez Ugalde
Joshua S. Perkey
Hoangthien Pham
Robert John Pizzute
Moisha Platto
James Michel Plumley
William R. Price
Carmen Puig de la Bellacasa
Amrish Raj
Karthik Rajasekaran
Balakrishnan Ramachandran
Isaac D. Rankin
Srinivasan Ravindran
Alexander E. Rhodes
Andrew M. Roane
Thomas C. Robinson
Daniel C. Rodriguez
Alexander Rogers
Ravindra C. Sachan
Safi Sadiq
Zeeshan Saleem
Mark Salvador
Eric P. Scruggs
Forrest D. Secosky
Alexis R. Sexton
Joseph D. Sheffield
Christopher Burell Shella
Christopher G. Shively
Benjamin R. Shoemaker
Maksym Shyshnyak
Tara M. Soileau
Rajesh Somasundaram
Joseph S. Stadther
Drew Stahl
Seth Harman Stallings
Brandon Stanton
Cecilee Regina Page Steinmetz
D'Juan Stevens
Kristopher Brandon Stevens
Anne Butler Stewart
Jeffrey W. Stewart
Matthew C. Straatmann
Gerardo J. Suazo
Eric P. Sullivan
Matthew Sung
Scott M. Swantner
Carl D. Swift
Elizabeth Patricia Thottam
Andrew J. Tompkins
Allen Trang
Wesley Underwood
Zane G. Underwood
Michael T. Ursetti
Alexander A. Usztics
James Henry Van Ness V
Daniel Vaughn
Rahul Vavale
Neil Carroll Vining
Tobler T. Voght
Tulasi Kolandra Kolandra
Markus Walderich
Christopher Walsh
Bridget Wandelt
Dominick J. Werther
David W. Whitmire
Stephen A. Wielgus
Stephanie H. Winans
Spencer Witherspoon
Daniel Wood
Nawid Ahmad Yakuby
James Edward Yeager Jr.
Shaun Patrick Yeaman
Thomas M. Zager

The School of Government

ESTABLISHED 2001
Dean Michael R. Smith

MASTER OF PUBLIC ADMINISTRATION

Giorgi Alasania
Alexandra Maria Bartz
Stephen Tyler Baxter
Patricia Corey Bradley
Loren Elizabeth Clark-Moe
Evan Cory Davis
Ryan Fletcher
Matthew Todd Gould
Jonathan Martin Griffin
Rachel Pepperman Gruber
Laura Beverley Hawkes
Sarah Manning Henricks
Sandra Carolina Hinderliter
Ashlea Nicole Hitchcock
Jacqueline E. Kannan
Nicole Marie Kaufman Dyess
Chelsea Tiauna Locklear
Michael A. Milton
Andrew Thomas O'Brien
Corey Joseph Petersohn
Paul Brooks Plymouth
Andrea Lauren Ponikvar
Thomas Lloyd Rhea II
Beth Ann Riordan
Ryan Louis Rotundo
Christine Sadler
Kimberly Diane Sanders
Charles John Stevens
Perla Patricia Tajeddini
John Wilson

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE

Ryan L. Burch
Lester Joseph Smith III
Shun Sun
Jeanne Marie Ching Tan
Zhenwei Wang

MASTER OF SCIENCE IN LIBRARY SCIENCE

Taylor Gray Abernethy
Erica R. Brody
Luke Thornton Brown
Stephanie Rae Carreira
Kathryn Eileen Flynn
Maria Silvia Ramirez

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY

James A. Foster

MASTER OF PROFESSIONAL SCIENCE

Toxicology

Allen Kapherr
Megan Elizabeth Riley

MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

MASTER OF RADIOLOGIC SCIENCE
Nathan C. Bayless
Deann Marie Hezlep
Scott Bryen Rohrer
Jadyn Michelle Ulrich

The School of Nursing

ESTABLISHED 1950
Interim Dean Donna S. Havens

MASTER OF SCIENCE IN NURSING
Andrea Joyner Layton
Mallory Outten Lexa
Eric Sherrell McClenny
Karen H. Reavis
Megan K. Seston
Lindsey Wardell

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION

Health Policy and Management
Jonathan Edward Andrews
Larissa Braga
Michael Jay Campbell
Andrew H. Cocowitch
Leslie Walters Colucci
Ryan G. D'Souza
Rania M. Ellababidi
Ankit Garg
Miller Walton Gibbons Jr.
Lydia Pound Harrell
Eric Horowitz
Jacqueline Poage Hunter
Tiffanie Chanae Jones
Mai-Uyen Thi Luong
Amanda Koelle Martin
Lashonda Renea Maxfield
Christopher E. McLawhorn
Jonathan Lee Meadows
Heather Lee Miranda
Prithima Reddy Mosaly
Meaghan Casey O'Neal
Susan Pattison
Caleb Ray Payne
Ravyn Ramos
Katherine Patricia Restrepo
Jason K. Richardson
Brett Adam Rubin
Molly Anne Pegram Schneider
Adina Senderovits
Roshan Shetty
Jennifer M. Tauber
Sarah Thatcher Thompson
Kerri Ann Ward
Michael Gregory Willis
Stephanie Clara Wyman

MASTER OF PUBLIC HEALTH

Biostatistics
Yun Kyung Chang

Epidemiology
Adam Wayne Beard
Fran Yong

Health Policy and Management
Shereen Bahader
Beau D. Meyer

Maternal and Child Health
Glamarys Eliane Acevedo
Aileen Frances Aylward
Naomi Broadway
Krysta Marie Gougler-Reeves
Sarah Halper
Sarah Sharpe O'Rourke
Kelsey Ann White

Nutrition
Sophia Al-Banna
Claire P. Bailey
Stephanie Bryant
William Chapman
Taylor Suzanne Christensen
Samantha Elise Croffut
Jasmine Dailey
Camille Christine Horton
Jaclyn Konich
Erin Marie Kuta
Leah Helene Levey
Jessie Lillian McGinty
Lauren Elizabeth McIlwaine
Colton Rick Schille
Laura Allen Smith
Carolina Concepcion Sodano
Lindsay Lang Stephenson
Lesley Emma Stewart
Nathaniel Amar Stritzinger
Ileana Katherine Vink
Melissa Kay Walter
Jenna Nicole Domino White

Public Health Leadership
Steven Nathan Andrawes
Martha Carolina Bonilla
Elizabeth Shirley Bradshaw
Elizabeth A. Cook
Joshua W. Evans
Ashini Lakmali Fernando
Michael Bruce Fischer
William James Flattery III
LaCresha A. Johnson
Mahendra Katta
Edna Audrey Kavuma
Nicole Marie Josiah Martin
Tobias Christopher McNulty
Natalie Morrocu
Rachel Sarah Nelson
Ronald Jayson Nemeyer
Grace Nissao
Kristen Elizabeth Biggers Said
Manasi Sanjivan Tannu
Autumn Brooke-Stokes Watson
Julie Clarke Williams

Public Health Policy and Management
Sook-Kyung Lee
Claire Elizabeth McGarry
Michele Marie Miller
Henry Okoth
Claire Joyal Pigula
Leslie Claracay Pineda
Syed M. Shah
Rachel Amy Stemerman
Alyssa Jean Sugarbaker

MASTER OF SCIENCE IN CLINICAL RESEARCH
Emma L. Barber

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING
Brenda M. Benavides

MASTER OF SCIENCE IN PUBLIC HEALTH

Environmental Sciences and Engineering
Kathleen Morgan Brown
Robert Collin Knox Coleman
Meghan Miller
Andrew Nguyen

Epidemiology
Elizabeth Kamai
Sara Nicole Levintow
Lauren Gene Levitz
Jacqueline Erin Rudolph
Jessica Carolyn Young

Health Behavior
Anna Haight Grummon
Jennifer Ann Richmond
Rebeccah Lyn Sokol

Health Policy and Management
Rebecca A. Stephens

Maternal and Child Health
Megan Catherine Barry
Rebecca Hope Brandt
Rosemary Byrnes
Megan J. Canady
Abbie L. Heffelfinger
Courtney Ann Hereford
Abigail Lees Liberty

The School of Social Work

ESTABLISHED 1920
Dean Jack M. Richman

MASTER OF SOCIAL WORK
Glamarys Eliane Acevedo
Aileen Frances Aylward
Rebecca Hope Brandt
Naomi Broadway
Rosemary Byrnes
Megan J. Canady
Krysta Marie Gougler-Reeves
Sarah Halper
Abbie L. Heffelfinger
Courtney Ann Hereford
Sarah Michelle Klemens
Beth M. Madden-Embleton
Sarah Sharpe O'Rourke
Kelsey Ann White

CANDIDATES *for* BACCALAUREATE DEGREES

December 2016

The College of Arts and Sciences

ESTABLISHED 1795
Dean Kevin M. Guskiewicz

BACHELOR OF ARTS

American Studies
Alexa Leigh Dunbar
Alexi Morgan Wordell*

Anthropology
Nicole Aloia
Nicholas B. McMullen
Rebecca Lynn Rodan
Esra Sinem Taner
Jennifer Marie Yeager

Archaeology
Ashlyn Dyanne Coelho-Allen
Megan Marie Tirpak

Art History
Shauna Victoria Gonsalves
Heejun Lee

Asian Studies
Timothy Ansel Abrams
Jillian Bess Loftis
Summer Ziad Najjar*
Ivy Skylar Trent*

Biology
Michael Artov
Jose Nazario Badillo
Aster Berhane
Parrish Caney
Archangel Bol Chan
Sarah Marie Dacres
Zachary Charles Fred DelConte
Sonya Marie DeMoulin
Bryce Michael Edwards
Kera Dawn Fensterer
Hanna M. Gardner
Maura Hartzman
Sebastian Jordano Heredia
Preston Scott Hinkle
Ashley Michelle Hockaday
Christine Rose King
Elise Benison Laffitte
Timothy J. Leong
Ariana Patricia Linares
Matthew T. Logan
Zsofia Molnar
Chiwoo Daniel Park
Douglas Bruce Park
Avnee Mansukh Patel
Rachel Ann Schumacher
Stephanie N. Smith
Lance N. Snodderly
Danae Soler
Alexandra Breeanna Weber

Chemistry
Olivia Elizabeth Andretti*
Spencer Martin Davidson*
Daniel W. Hudgens
Kendall Nicole Weeks
Kelsey G. Winchester
Beau M. Worley

Classics
Robert A. Waldroup

Communication Studies
Andreana Assimos
David Broughton Ayscue Jr.
Christine Marie Barringer
Kieran Joseph Burke
Cameron Lamont Bynum
Sarah Elizabeth Callanan
Zachary Dale Cook
Catherine Jo Dicus
John M. Giegerich
Laura Avery Gillespie
Walker Thomas Hume
Kasia Jene Jordan
Gregory Daniel La Fratta
John Robert Ligtenberg*
Daniel Michael Mastromatteo
Jessica Lee Mauney*
Mireya Lynn McAlpine-Braxton
Ebony Latisha Mercer
Steven Caleb Peterson
Caroline Edwards Plyler
Kimberly Elise Rivers
Metzli Isabel Rodoli Contreras*
Courtney Mae Runyon
Ryan Joseph Salchert
Stuart Wray Schrader
Hope Merritt Sheffield
Cory Lee Smith
Mishana Jalissa Sturdivant
Myra Kimberlee Triplett
Jacob Mark Vonderbruegge
Emily Caroline Weeks
Ruoqi Zhang*

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

HONORS CAROLINA

Honors Carolina is an outstanding collection of courses, special events, and learning opportunities geared toward the top students at Carolina. It is the University's way of investing in exceptional undergraduate students by providing academic and non-academic challenges and opportunities, both inside and outside the classroom. Honors Carolina students receive priority registration for more than 160 Honors courses each year. These are small classes, taught by professors who encourage classroom discussion and hands-on research.

Students who wish to graduate from Carolina "with Honors" or "with Highest Honors" must complete a senior honors thesis project in their major field(s) of study. Such students need not have been members of Honors Carolina. They must, however, meet academic eligibility standards set by Honors Carolina and the individual departments, curricula, and professional schools that sponsor senior honors thesis programs. Senior honors thesis students must complete an original and substantial research, performance, or creative project under direct supervision by a faculty advisor. Upon the completion of their projects, students must pass an oral examination or other appropriate form of evaluation.

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Comparative Literature
Brent Taylor Eisenbarth*
Denver Ross Ellis

Computer Science
Judy Mi-So Chung*
Tyler William Dawes
Dana Nadil Elhertani*
Peter Jeong
Patrick Matherly
Christine Ni

Dramatic Art
Christine Marie Barringer
Keenan Benjamin Brown*
Winnifred Marianne Burris
Glennda Soledad Campbell*
Zachary Dale Cook
Dylan Elijah Hedgecock*
Anne Margaret Keller*
Claire Ellen Koenig*

Economics
Timothy Ansel Abrams
Jalil Akangbe Anibaba
John Daniel Bonar
Don Benson Byrd
Parrish Caney
Mariah Krista Pearl Canup
Cheol Y. Choi
Alexandria Clay Congleton
Devin Blake Durham*
Warren Julian Feng
Zhao Gao
Ethan Michael George
Leah Bailey Goddiess
Darren Jack Godsell*
Qijun He*
Rachel Michaela Hill
Fredrick Maurice Hood
Scott M. Jackson
Colin Alexander Jarrett*
Mary-Katherine Johnston*
SeHyung Kim
Lauren Alexis Knox
Vibhav Kollu
Ariana Lanie Lao*
Hannah Lee*
Heejun Lee
Maria Luisa Loo Deng
Christian Alejandro Luna
James Stuart McEwan
Meghan Cathleen McGrath
Mark S. Mehaffey
Ari Cole Menaker
Max Menaker
Matthew Parker Moore
Jonathan M. Morris*
Justin Scott New
Chuhan Peng
Tadeusz Gregory Poplawski
James A. Pruitt
Juan Jose Ramirez
Mason G. Roberts
Olivia Sutcliffe Ross
Robert Tucker Smith III
Katheryn B. Thompson
Edward Cooke Wilson
Eldon J. Zacek
Siyu Zhao*
Han Zhuang*

English
Andrew Jaehyun Bin*
Brittney Nicole Broadnax
Alejandra Chavez
Katie Frances Coletta
Aaron Lee Dalton*
Chloe Alistair Karlovich*
Gary Tuch Lawson
Carrie J. Lewis*
Nicole Elise Martin*
Alexander Scott Montgomery*
Davis K. Muma
Claire Rolin Nielsen*
Madylin Verniese Nixon-Taplet
Rebecca Lynn Rodan
Hayley Linda Salmon*
Katheryn B. Thompson
Yonahiza Turcios
Emily Dianne Wilson

Environmental Studies
Larisa Bennett
Grant H. Cullinan
Hanna M. Gardner
Kristin Elizabeth Gibson
Donovan Heath
Caroline Lindquist*
Taylor Bryant Miles
Holly Rose Roberts

Exercise and Sport Science
Michael Foley Askew
Victoria Weeks Baskett
Benjamin Benson*
Janet Marie Blackman
Charles McLain Brady
Evan Lewis Brady
Emily Bruder
Brandon Corey Cordell
Courtney Ervin Crews
Mychal Kate Elliott
John Ferranto Jr.
Khristophur Francis
Erin Alexis Freedman
Daniel Butler Goff
Jonathan Patrick Heck
Thomas Boyd Hibbard
Dina Maria Hondos
Bralyn Terrel Hoskins
Tucker Farris Hume
Nyambi Jabang
James Eugene Jackson III
David Andrew Keller*
Gregory Daniel La Fratta
Jamie Lynn Linker
Joseph Michael Mangili
Kevin Gary Margolin
Hayley McCorkle
Nicholas B. McMullen
Nicholas Melo
Jonathan Neff
Oluwole Joshua Nylandert-Thompson
Min W. Park
Steven Caleb Peterson
Demetrius R. Pitts
Shaquille Jacquis Price
Taylor Nicole Pulley
Luke Webber Putkonen
Kenny Andre Rangel Vargas
Stephanie Nicole Snyder
Blake Graybeal Stewart
Colton Daniel Storm
Ryan F. Switzer
Siedah Tenise Thomas
Taylor Aileen Treacy
Vanessa Tsang*
Sophia Wang
Alexandra K. Weber
Jenna Marie Whitfield

Geography
Alan Y. Lu

Geological Sciences
Michael Sullivan Herber Puchley

Germanic and Slavic Languages and Literatures
Israel Sebastian Nelson

Global Studies
Zayna Gabrielle Abdo
Charles Babington*
Donavon Dicks
Jashawnna Yemage Gladney
Emma Caroline Grant
Parisa Hadavi*
Elisa Nicole Kirby*
Lauren Alexis Knox
Maria Luisa Loo Deng
Israel Sebastian Nelson
Justin Scott New
Mikala Cecelia Smith*
Bryan Kern Williams

History
Spencer Lee Clark
Ashlyn Dyanne Coelho-Allen
Catherine Elizabeth Cranfill
Alexa Leigh Dunbar
Lea Nicole Efird*
John Rex Fuqua
Cooper Houde Hardy*
Devin Sheila Holman
Barbara Michelle Jones
Charlie S. Kelsey*
Julia Minhee Kim
Carrie J. Lewis*
Reid Williams Richardson
Robert Tucker Smith III
Sarah Bethany Spiker*
Asher Gage Thomas
Alexandra K. Weber

Latin American Studies
Luis Daniel Gonzalez Chavez*

Linguistics
Michael Galen Bruxvoort*
Dana Salmon
Megan Phuong-Mai Vu

Management and Society
Tanner Lee Eitel
Michelle Elise Forman
Diamond Mona' James*
Mary-Katherine Johnston*
Vibhav Kollu
Michael Richard Lenahan
Katherine Maness*
Kelsey L. Martin
Morgan Randell
Katherine Vialle
Andrew K. Wiese
Katherine B. Williamson

Mathematics
Michael F. Darken
Lindsey Burke Harris
Kelly Aileen Henriksen
Maria Hye-Jin Kim*
Heewon Kim
Patrick Ryan McGrath*
Chloe Elizabeth Monroe*
William Murcray

Yekaterina Romanova
Anthony Lawrence Vallario*
Bang Wang
Jenna Marie Wilkie
Han Zhuang*

Music
Anne Margaret Keller*
David Ryan Michaud
Aaron Mortera-Ortega
Tyler Forrest Simmons

Peace, War and Defense
Courtney Arena*
Melanie Renee Cheung
Spencer Lee Clark
Daniel Alan Goldstein
Laura Victoria Griggs
Mireya Lynn McAlpine-Braxton
David Mossman
Kevin Kuo-Jia Sun

Philosophy
Troy D. Armstrong
Andrew Jaehyun Bin*
Kyu Won Chung
Alexandria Clay Congleton
Bailey D. Costin
Denver Ross Ellis
Jacob Samuel Feldkamp
Brandon Scott Herndon*
Robert Joseph March
Marius Patulea*
Cheng Peng
Siyu Zhao*+

Physics
Joelle F. Dick
Cheng Peng

Political Science
Dylan F. Arant
Alec Javier Breve Mazzoni*
Ryan Patrick Bullard
Briana Eberly Byron
Bailey D. Costin
David Brantley Craft
Aaron Lee Dalton*
Mary Katherine Dunn
Katherine Madison Early
Brent Alexander Evans
Robert Lawrence Gilliam III*
Zachary Graham Godwin
Daniel Alan Goldstein
Luis Daniel Gonzalez Chavez*
Cooper Houde Hardy*
Brandon Scott Herndon*
Blake Hoarty
Devin Sheila Holman
Aleczina Christine Holmes
Matthew Lewis Huyett
Taylor Jean Killion
Arvind Ram Krishnamurthy*+
Sarah Rose McQuillan
Alexander Scott Montgomery*
Christopher Lawrence Moreno
Aaron Mortera-Ortega
Metzli Isabel Rodoli Contreras*
Valerie Christine Sauer
Stuart Wray Schrader
Cheryl Renee Seward-Gibson
Alexis Worthington Shiro*
Sarah Bethany Spiker*
Stephanie N. Stewart
Kevin Kuo-Jia Sun
Sara N. Svehla
Ivy Skylar Trent*
Emily Caroline Weeks
Kerri Allison Wright

Psychology
Sarah Tyler Ammons
Andreana Assimos
Margaret Kathleen Bauer
Ashley Louise Bowen
David Alan Boxwell
Jieun Priscilla Chang
Ebony Regine Ford
Janice Ann Furman*
Dionna Sinclair Graves
David Elias Howells
Ryan Hutchings
Nylah Sinclair Jimerson
Ariana Patricia Linares
Matthew James Mahler*
Jessica Lee Mauney*
Christina Chappell McMillan
Ari Cole Menaker
Alec Jeffrey Niccum
Christie Rae Parker
Mia Lashelle Price
Marlenis Rey
Amelia Blake Stallings
Blake Graybeal Stewart
Cau Gia Thoong
Julie Ann Upchurch*
Aaron Marcellus Wrisbon

Public Policy
Dylan F. Arant
Ryan Patrick Bullard
Hannah Reyes Carroll
Joyce Sung Cho*
Blake Hoarty
Enrique Luis Lambrano
Summer Ziad Najjar*
Samantha Leigh Night*+
Tracee Morgan Saunders
Sara N. Svehla

Religious Studies
Katherine Maness*
Ellen Friedberg O'Brien*

Romance Languages
Keenan Benjamin Brown*
Lizbeth Buenrostro
Charles Stuart Depaolo
Erica Nicole Diamond*
Lea Nicole Efird*++
Brent Taylor Eisenbarth*
Arlee Rose Hiskey
Benjamin Robert King
Claire Rolin Nielsen*
Aliyah Monet Turrentine

Sociology
Jieun Priscilla Chang
Erin Cobb
Cassius Modisana Hossfeld+
Sarah Howard
Diamond Mona' James*
Sophia Michelle Kaplan
Tyler Travis Millsaps
Courtney Mae Runyon
Joie Loushaker*+

Women's and Gender Studies
Adam Isaac Grayck*
Aleah Kristina Helms
Eldon J. Zacek

BACHELOR OF FINE ARTS

Studio Art
Brenda Delia Miller Holmes*

BACHELOR OF SCIENCE

Biology
Jhonny Alexander Araque
Thomas Arigo
Ricardo Balladares*
Hunter Daniel Barbee*
Allison Niccole Brindle
Cierra Chanelle Carter
Laurie Chow
Kelly Wayne Crow
Amira Desai
Paul Angel De Guzman Ferreras
Jaime Leigh Hageman
Andrew William Harrelson*
Hanna Nicole Isenberg
SooJung Kim
Stephen Michael Lanahan*+
Julie Wang Mao
Candice Deanna Martin
Dev Mashruwala
Megan Leigh Mellott
Scott William Morgan
Harish Seshadri Pudukodu*
Mohammad Awni Salem
Briana Catrina Stockdale
Monica Elizabeth Swilley-Martinez
Kendall Nicole Weeks
Jenna Marie Wilkie
Marilyn Wu*

Biomedical and Health Sciences Engineering
Fernanda Maria Chow
John Thomas Hand

Chemistry
Griffin Rorie Connors
Matthew Fordham*
Sungwon Hwang*

Computer Science
Eric Quinn Barbee
Daniel Chiquito
Kyu Won Chung
Rourke Alexander Creighton
David Brian Cubler*
Sai Sanketh Hari*
Jared Layne
Daniel Aaron Piccot
Martin Enrique Porras
Steven G. Thomas*
Anthony Lawrence Vallario*
Ervin Chen Wu
Jeffrey William Zambory

Environmental Sciences
Danielle Nicole Doucette
Dustin Peter Moss
Sherilynn Meifung Phen

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Geological Sciences
Thomas Russell Gray
Nataniel Moishe Holtzman*+
Matthew Thomas Paris
Coley Daniel Smith*++
Nicholas A. Williams

Mathematical Decision Sciences
Wesley Costner Fagg
Kate Gidenko
Heewon Kim
Junho Lee
Patrick Ryan McGrath*
Chuhan Peng
Bang Wang*
Xiaohan Yi*

Mathematics
Caroline Victoria Bowes
Rourke Alexander Creighton
Christopher Leon Davis
Zichao Li*
Xiaohan Yi*+

Physics
Michael F. Darken
Patrick C. O'Brien

Psychology
Ahlam Mahmood Algazzali
Jordan Paige Curry
Victoria LaShay Davis
Zsofia Molnar
Alexander Javier Ruiz
Hannah Rebekah Champion Scruggs*
Samantha Rae Stuppy
Elizabeth Marie Suddreth*
Madison Leilani Szar*

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Emma R. Bozek*
Alec Javier Breve Mazzoni*
Stephanie Thanh Mai Bui
Don Benson Byrd
Brett David Clark
Peter Doisneau
Diana North Fu*
Madeline Parker Gasior*
Jessica Leah Hoffmann
Peter Lawrence Kenna
Christopher Sean Madaffari*
Charlotte Amalie McCauley
Darcy Craig McFarlane*
Anna Nicole Miller*
Malcolm Glenn Perry III
Harry Stevenson Rummell*
Karina Aracely Gonzalez Sanchez*
Alexis Worthington Shiro*
Ellyn Hanna Wagner*
Samuel Seaton Watson
Robert James Zawada*

The School of Dentistry
ESTABLISHED 1949
Interim Dean Kenneth May

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Pejman Dehghani

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
James Councill Leak*
Benjamin Christopher Mackie*
Jeremy Alexander McKellar
Joshua Bennett Mills
Aqicia Mojica

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM
Jonathan M. Morris*
Lauren Shree Thomas*

BACHELOR OF ARTS IN JOURNALISM AND MASS COMMUNICATION
Jennifer Susan Baker
Julia Baker*
McKenzie Catherine Bennett*
Derrick Javon Bills*
Elizabeth Allen Bohan
Meghan Ashley Boyles
Hannah Lynn Burnette
Emily James Chafetz
Tiffany Joy Clark
Sofia Isabel De La Guardia
Kendra Melinda Douglas
Alyssa Rae Dubin
Joshua Michael Ebert
Elisabeth Ehlers
Louis Fernandez Jr.*
Camila Andrea Godoy
Talla Katherin Hashemi
Annick Joseph
Benjamin Russell Kane
Daniel Henri Lawrence*
Kimberly Nicole Lee
Casey Hart Long*
Katherine Elizabeth Martin
Lauren R. McDonald
Sarah Rose McQuillan
Daniela Ocampo
Samantha Marie Polito
Haley Rebecca Rhyne*
Rossana Esther Rosenthal
Olivia Sutcliffe Ross
Cory Lee Smith
Mackenzie Colin Snyder
Casey Ann Toth
Ashly Victoria Tyson
Edgar Robert Walker
Samantha Lauren Ward
Collette Ann Weinberger*
Cordelia Claire Penn Wilcox
Anna Nicole Williams
Beau M. Worley
James Alexander Wylie
Isabella Katherine Zaliagiris

The School of Nursing
ESTABLISHED 1950
Interim Dean Donna S. Havens

BACHELOR OF SCIENCE IN NURSING
Celia Paung
Evelyn Rivera

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Biostatistics
Kevin Stanford Liao*

Environmental Health Sciences
Harish Seshadri Pudukodu*++
Anna Nicole Stamatogiannakis*

Nutrition
Subreen Adel Khatib*++

Candidates Commissioned in the Armed Forces
DECEMBER 2016

UNITED STATES ARMY SECOND LIEUTENANT
David Mossman

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

CANDIDATES *for* CERTIFICATES

December 2016

Postbaccalaureate Certificates

The School of Media and Journalism

ESTABLISHED 1924

Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION

Christopher Joseph Cioffi
Layla Higgins Dowdy
David Honaker
Emmanuel Bernard Petit
John Paul Pogge
Kelli Marie Raker
Carolyn Ann Rickard

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS

Gloria Early Payne
Autumn Brooke-Stokes Watson

CERTIFICATE IN FIELD EPIDEMIOLOGY

Brian David Byrd
Laura Mary Gilland
Ashley Nicole Nanney
Shallini Sood

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

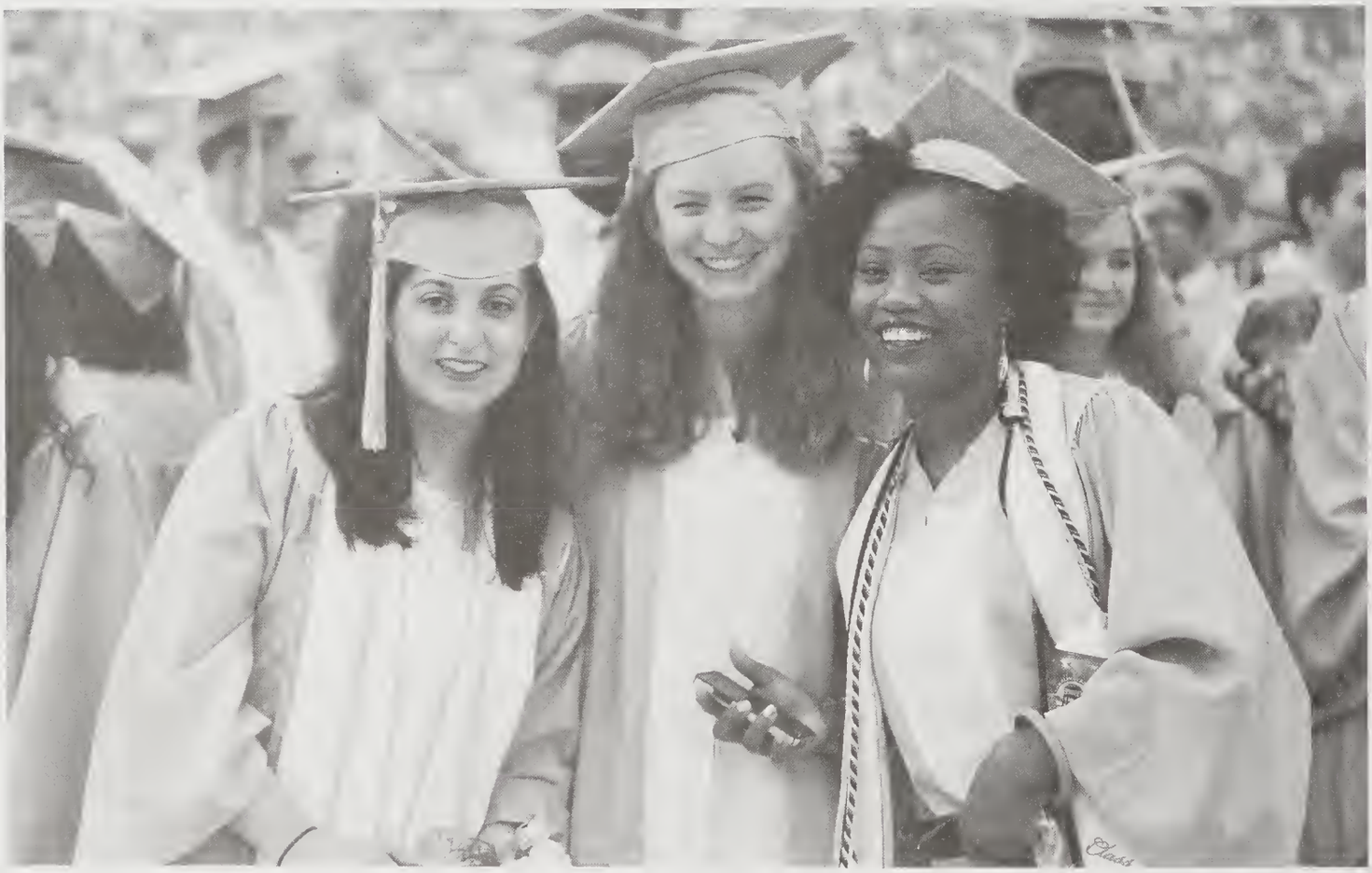
Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus wide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to Carolina are included as participation in the Senior Campaign and the Office of University Development's annual giving totals. Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit giving.unc.edu/youngalumni.



GRADUATE DEGREES

August 2016 *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Sumayya Ahmed, *Information and Library Science,* "We Call on Citizens To Be Aware of the Value of What is in Their Homes": A Case Study of the Hassan II Prize for Manuscripts and Archival Documents. Professor Christopher Lee.

Jordan Albritton, *Health Policy and Management,* Quality Improvement in Lower-Income Countries: An Evaluation of the Effectiveness of Hospital-Based Teams in Ghana. Professor Bruce Fried.

Daniel Carl Anacker, *Microbiology and Immunology,* Manipulation of the Host Cell DNA Damage Pathways by Human Papillomavirus. Professor Cary Moody.

Peter Joseph Attayek, *Biomedical Engineering,* Automation of the Microraft Array Platform for the Selection of Cytotoxic T Lymphocytes. Professor Nancy Allbritton. Professor Shawn Gomez

Melissa Aimee Babilonia-Rosa, *Biochemistry and Biophysics,* The Role of Lipase Maturation Factor 1 in the Maturation of Lipoprotein Lipase. Professor Saskia Neher.

Seth M. Barrett, *Chemistry,* Light-Driven Hydride Transfer From Iridium Hydride Complexes. Professor Alexander Miller.

Kellie Beicker, *Physics,* Development of a Combined Atomic Force Microscopy and Side-View Imaging System for Mechanotransduction Research. Professor Richard Superfine.

Garrett Berry, *Genetics and Molecular Biology,* Chemical Modulation of AAV Trafficking. Professor Aravind Asokan.

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Prosthodontics
Anthony Paul Gragg

Speech and Hearing Sciences
Jesse Michael Palmer

Statistics and Operations Research
Qiong He
Yanqian Wang
Weiyu Zheng

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF BUSINESS ADMINISTRATION
Jason W. Alexander
Jared Austin Andersen
Aaron S. Anthonsen
Sambhavi S. Anupindi
Kiran Atmakuri
Mark H. Bacharach
Carlos A. Bagley
Kent W. Bartholomew
Nicolas Bateman
Anthony Benedosso
Soumitra Bhattacharya
Michael P. Bowblis
Howard S. Boyer
Mackenzie C. Brown
Lauren Marie Burgess
Lisa A. Camara
George E. Cannon
Christopher David Caruso
Fang Chen
Hailin Chen
Ryan Chin
Philip Taylor Chu
James R. Coe
Peisheng Cui
Glorita C. Cuiffi
Delin Dang
Gregory M. Dostich
Jeffrey Duresky
Kimberly Easterling
Ashley Victoria Evans
Xiaoxi Fang
Catherine A. Freeman
Shawn M. Gallagher
Douglas E. Ganley
Michelle Gauchat
Vivienne Chao Gautrey
Dheeraj P. Gobburu
Gautham A. Gowda
Mariah Gratz
Stephen D. Grodek
Kevin Halow
Guangxiao Han
Matthew Harding
Jeffrey Harrison
Kaleb Hartje
Timothy Matthew Hichak
James Hitchcock
Adam Hoehn
Jonathan Donald Hollis
Matthew Houtz
Christopher Howell
Michelle Nancy Jackson
Ryan M. Jarry
Olukayode Jinadu
William Thomas Joyce
Jason Robert Jung
David Frederick Kelley
Geraldine Kelly
Jason Ledoux
Won Ju Lee
Jie Li
Ke Li
Wentuo Li
Pei-Lei Liu
Eric Jay Loeliger
James Macdonnell
Alexander J. Maret
Allison E. Marino
Kurt A. McFarlane
Richard G. McGovern
Andrew Metcalf
Michelle D. Middleton
Matthew T. Moore
Roger Wayne Moore
Xiangyu Mu
Jennifer L. Mull
Prashant U. Nair
Justin Naish
Noosha Nayeri
Okechukwu Nwokocha
Matthew R. Ogle
Ketula Patel
David L. Petsolt
Mathews E. Pierson
Benito Simone Piuzzi Olguin
Jin Qiu
Jing Quan
James Thomas Ragsdale Jr.
Saji Rajasekharan
Charles R. Rambo
Jedediah A. Raskie
Richard M. Regole
Morgan Durrette Salmon
Gaurav Sangal
Ernesto Jose Serrano
Porush Seth
David Shultz
Michael Edward Sileck III
Barry Simmons
Amrit P. Singh
Gaurav Singhvi
Cody T. St. Onge
Valeria A. Staffieri
Travis Cole Starkey
Srinivasan Subramanian
Robert A. Sucher
John Ralph Sullivan Jr.
Shane P. Sullivan
Weifeng Sun
Zhimin Sun
Rebecca J. Taylor
Nicole Thomas
Patrick S. Twomey
David Wade
Jiaping Wang
Liquan Wang
Samuel Jerome Weaver III
Li Wei
James Daniel Welsh
Jiwei Wen
George E. Williams
Jay F. Williamson
Yuan Wu
Zhenhua Yu
Bina Thomas Zacharias
Zhigang Zhang

The School of Education

ESTABLISHED 1885
Dean Fouad Abd-el-Khaḷid

MASTER OF ARTS IN TEACHING
Samuel Alden Atwood
Joshua Micah Conger-Kallas
Pamela K. Dominick
Calvin Alec Sharpe
Samantha Michele White
Kelly Anne Williamson

MASTER OF EDUCATION
Jenni Kathryn Allen
Alexandra Maxwell Armor
Elisabeth Kathleen Arriero
Kendall Nicole Boothe
Alissa Dean Browder
Brittany Morgan Brown
Courtney June Buchanan
Tess Ann Free
Natalie Genevieve Galvin
Bryce Gibbons
Erin Elizabeth Hottle
Jessica Rose Jacobs
Daria Wesley Johnson
Alexandria Marie Johnston
Rachel Marie Krauza
Hunter Lancaster
Kersey Hanna Manning
Madison Parks Richardson Midkiff
Catherine Revell Mills
Susan Elise Pizzolato
Callie McKenzie Robertson
Lauren Elizabeth Robertson
Jordan Eilber Rosado
Natalie Kristen Sipala
Samuel John Woodrum
Megan Michelle Yeargin

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF PROFESSIONAL SCIENCE

Biomedical and Health Informatics
Priyanka Rajkumar Bhojwani
Bon Mi Koo

MASTER OF SCIENCE IN INFORMATION SCIENCE
Yongsu An
Vincent Carrasco
Michael I. Chen
Nicola Constance Lloyd Gafinowitz
Anne Ligon Harding
Mary Margaret Howell
Die Hu
Nnenna Ibeanusi
Sunhwa Park
Haoyang Yan

MASTER OF SCIENCE IN LIBRARY SCIENCE
Deborah Jean Hirsch
Amelia W. Holmes
Alexandria Christine Mesa
Jonathan Brett Moore
Tara E. Pressley

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY
Kristen Ann Ayers
Corinne Joell Bohling
Christie Clem
Nicole Faye Davis
Annemarie Nicole Erich
Jeremy C. Evans
Kelly Hannah-Renee Hewitt
Christopher L. Hope
Andrew Jacob Kohler
Karl R. Lutschewitz
Abbie S. Marrale
Holli Marie McClendon
Genevieve G. Monroe
Sarah Morrison
Laura Ellese Nickles
Elizabeth Katherine Nixon
Sean O'Kelley
Chelsea Jo Parker
Emily Elizabeth Paul
Christopher Brent Ritter
Korre L. Scott
Kaitlyn Elaine Sly
Marian Thomas Sudano
Robert Edward Sykes III
Lindsey Fae Viltrakis
Kelly Irene Walsh
Alexis Ann Williams

The School of Nursing
ESTABLISHED 1950
Interim Dean Donna S. Havens

MASTER OF SCIENCE IN NURSING
Suzanne Dube-Clark
Erica Lynn King

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

MASTER OF PUBLIC HEALTH

Epidemiology
Jessica Erin Ericson
Jenna Renae Gettings
Frank Parker Hudson III

Health Policy and Management
Sandhya Gopal

Nutrition
Pranish A. Kantak
Courtney Held Schnefke

Public Health Leadership
Tatiana Acosta
Maria Crisalli Andrews
Leticia Barton
Beril Cakir
Anne Regina Cotter
Christopher Scott Evans
Javier Galan
Joanna Grudziak
Morgan Scott Hardy
Jessica Rachel Himmelstein
Dana Kollin Kelley
Nancy J. Kim
Martin Slawomir Kus
Courtney Rai'chelle Lee
Edward H. Lee
Trudy Li
Cramer Austin McCullen
Benjamin Ryan Murray
Daniel Bin Ng
Anayo Linda Ohadugha
Chima Davis Ohadugha
Robert Coleman Palm
Krystle M. Perez
Jackie Emmanuel Queen
Malika Rakhmankulova
Magdalena Christine Reinsvold
Lydia Shaw Russell-Roy
Sara Skavroneck
James Matthew Taylor
Nora Frances Tolbert
Kim Thien Vuong
Tyler C. Warmack
Brett David Weed
Yi Yang

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING
Bhargavi Golluru
Venkata Naga Satyasai Raghu Va Komaravolu
Reena Suhag
Kesava Anirudh Vajjala
Jin Yan

MASTER OF SCIENCE IN PUBLIC HEALTH

Environmental Sciences and Engineering
Andrew Joseph Karon

Epidemiology
Henry Tang Zhang

Health Behavior
Niasha A. Fray

Health Policy and Management
Walter L. Hawkins
Nnenna Ibeanusi
Victoria E. Jeffries

Maternal and Child Health
Eugene M. Kirzhner

The School of Social Work
ESTABLISHED 1920
Dean Jack M. Richman

MASTER OF SOCIAL WORK
Nicole Danielle Sherrill

BACCALAUREATE DEGREES

August 2016

The College of Arts and Sciences

ESTABLISHED 1795
Dean Kevin M. Guskiewicz

BACHELOR OF ARTS

African and Afro-American Studies
Stephanie Brice

African, African American and Diaspora Studies
Barbara Marylena Cunningham
Keith Moore

American Studies
Patrick Haworth Terrell

Anthropology
Marwah Khaled Alzer
Harrison Caleb Brooks
Zamir M. Brown
Allison Christine Crimmins
Sierra Alexandria Easter
Marina E. Florack
Sean Joseph Henderson
Allison Grace Hollowell*
Sally-Irene Ngeve
Courtney Grace Olah
Kristen Briana Revis
Damali A. Richburg

Archaeology
Devan Clare Haddock
Courtney Grace Olah

Art History
Raymond Lloyd Mason

Asian Studies
Matthew Ryan Klinestiver
Katie Krysiak
Ahmad J. Mosabbeh
Juliana R. Powell+

Biology
Boluwatife Yemi Aluko
Kallie Arthur
Courtney Banko
Jared Al Barina
Patricia Caroline Bowers
Luis Miguel Diaz
Allison Savannah Dowdey
Andrew Evick
Franklin Gomez Flores
Abby Jean Hooker
Robert Julian Mabe
Smith Molua Ngeve
Sean Patrick O'Connor
Sunny Dipak Patel
Brandon Michael Rodgers
Thomas G. Rogers
Dylan James Santeramo
Samantha Josephine Sikora
Nakesha Danielle Spellman
Kyle Patrick Strickenberger*
Brooke Alexandria Sullivan
Tyler T. Turner
Jordan Winter
Lauren Meredith Workman
Megan Yelenic*

Chemistry
Bemnat Agegnehu*
Allyson K. Blose
Maxim Blyakher
Erin Allison Connor
Joshua Tyler Davis
Caleb E. Helms
Naveen Iqbal
Matthew S. Kang
Cole Evan Pickens
Dylan J. Wallace
Fulin Wang

Classics
Austin Andrews
Devan Clare Haddock

Communication Studies
John Franklin Aldridge
Andrew C. Allen**
Johnny Rosalind Bennett
Sharon Hutter Black
William G. Booth*
Kate Elizabeth Bowen
Stefanie Alexis Cage*
Robert Guerrero Cassas
Ashley Simone Davis
Jennifer Courtney Davis
Jami Nicole Eckemoff
Michael Isaac Estes
Rose Mamy Fall
Justin A. Giles
Adrian Douglas Gilliam
Katherine Ann Gritts
Brooke Ciara Hamrick
Jessica A. Lancaster*
Elaine Catherine Lanze
Ja Eun Lee
Daniel Louis Leon*
Constantino Martinez
Madison Marie McCarroll
Joshua McClenney
Andrea Niccole McLaughlin
Victoria McPherson
Timothy Patrick Moran
Janel Nghiemlee
Emily Caroline Otey
Gregory Palasciano**
Dominique Pericles
Katie Peterson
Kylie Piper
Steven J. Pontrello
Braxton Tiberius Rickert**
Haley Alexandra Rognstad
Madison Elise Rumowicz
Dasha Terre Shaw
Rachel Zoe Shear
Daniel Peter Thaller
Nicole Alexandria Whitted
Christopher Richard Widin*
Gabrielle Nicole Williams*
Alexandra F. Young

Comparative Literature
Augustus Robert Corwin

Computer Science
Patrick James Eckerd
Jonathan Michael Kay
Joshua Kotansky
William Graham Miller
Eric Matthew Peden

Dramatic Art
Daniel Louis Leon*
Kyle Patrick Strickenberger*
Rebecca Sara Wolonick

Economics
Christopher Julian Barron
Zachary James Bolak
Charles Cecil Brunson Jr.
Sriram M. Chandra
John Clements
Augustus Robert Corwin
Mary Elizabeth Cox
Christopher Andre Cummings
Michael DeMatteo
Kyle R. Dorr
Daniel Downing
Conny Errichiello
Yohei Fujita
Treyaun Quantez Fulton
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Kishawn Reginald Pettus
Sammy Said
Kendall L. Short
Nandan P. Thakkar**
McKean Tripp Tompkins
Fan Xu
Olufemi Opeyemi Zaccheus

English
Ramon Antonio Alarcon
Aisha Anwar
Rebecca Lindsey Bachand
Susan Hamilton Boulton

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Virginia Burks
Helen Siobhan Campo*
Yuin-Kay Constance Chia++
Brian Anthony Creel
Allison Christine Crimmins
Jonathan Ghysels
Charles Edwin Hart
Burhanuddin M. Kadibhai
Metta Nicole Longo
Luke Carter Mario
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Lauren McNeill Smith
Alexander James Stearns
Ashley J. Thomas
Caroline Elizabeth Vance
Heather Pilar Wilson*
Jessica I. Zambrano

Environmental Studies
Callie Ann Bader*
John C. Brooks
Anna Therese Eick

Exercise and Sport Science
Virginia Katherine Brodd
Patricia Megan Brunnemer
Currie Nelson Bryant
Cayce Allyn Caruso
Kevin Ali Chavez
Emma E. Conley
Beth Hartley Crum
Micheal Jeffrey Curry
William Nicholas Dancy
Kaitlyn Taylor Flythe
Leah Grace Johnson*
Jennifer Anne Lindh
Andrew D. Ocampo
Kishawn Reginald Pettus
Alexander Raburn
Sarah Elizabeth Ross**
Tatiana Marie Rubow
Emily Cornelia Schmidt
Desirae Simone Seals
Kendrick Bernard Singleton Jr.
Hunter David Smith
Jared N. Sobo
Chelsea Devon Townsend
Madison L. Walker
Damien S. Washington
Rebecca Sara Wolonick

Geography
Matthew Patrick Burns
David Ian Trinkoff

Geological Sciences
Mary Rose Fisher
George R. Khang

Germanic and Slavic Languages and Literatures
Rebecca Pollack

Global Studies
Aisha Anwar
Ella Caplan
Leland Bryson Christy
Marcia Elizabeth Davis
Rose Mamy Fall
Rebecca K. Gamble
Samara Green**
Janet Hah
Brian Shan Ho
Riley Wallace Macdonald
Emma Helms Pendergraft
Ariadna Linda Rivero
Sneha Saravanan
Aurelie Semunovic
Morgan Janelle Zaccardo

History
James Coakley Adams
Ramon Antonio Alarcon
David Irwin Belk
Madison Lee Braswell
Brian Anthony Creel
Michael Isaac Estes
Mary Rose Fisher
John R. Grainger
Alexander James Hatzis
John Kropp
William Stephen Laurence
Joshua McClenney
Nathan Alan McConnell
Eric C. R. McKenzie
Sunny Dipak Patel
Harry W. Philpott
Cody Joseph Ross
Nashua Thomas Tillotson
Nicholas Yetman

Latin American Studies
Omajae Ross

Linguistics
Sarah B. Smith

Management and Society
David Irwin Belk
Anthony Blake Cathey
Justin Eugene Douglas
William Hays Gottwald
Graham Stuart Haney
Mitchell McLeod
Allie Leigh McNeill
Erin Leslie O'Rawe
Aaron Joshua Stafford

Mathematics
Kenneth Paul Conner
Clara Patricia Ferren
Christopher Rhett Griggs
Diana Beatriz Menjivar
Tyler John Miess
Keith Moore
Jonathan Prossick Schirmer*
Eric C. Thompson
Althea L. Valence

Music
Braden Finch
Phillip Ezzell Ivey
Dasean Terrell Nardone-White

Peace, War and Defense
Caitlin Suzanne Armstrong*
Rebecca K. Gamble
John R. Grainger
Luke Andrew Hancox
Alexander James Hatzis

Ariadna Linda Rivero
Connor Lynne Seaton
Robert Tyler Stevenson
Rachel Elizabeth Woods

Philosophy
John Franklin Aldridge
Michael Taylor Edmundson
Benjamin W. Kdan
Daniel Gerhard Loesevitz*
Joseph Michael Martin
Roshan Jagdish Patel
Bradley T. Stackhouse

Physical Education
Angie Benita Harris

Physics
Kenneth Paul Conner

Political Science
Sarah Margaret Blake
Thomas Wayline Bruce IV
Candice-Rae Judith Calderin
Kaitlin Thirs Canipe
Stephen Hyunjin Cha
Leland Bryson Christy
John Clements
James G. Eller
Todd Lee Friedrich II
Ryan McKenzee Garland
Charles Augustus Greene II
Sean Joseph Henderson
Holden Michael Hughley
Benjamin W. Kdan
Paige A. Ladisic
Max A. Malter
Rachel Brencye McGirt
Thomas Gregory McIlveen
Jaelyn Denise Miller
Melissa Reed Muse
Andrew Junsik Nam
Daniel Benjamin Olshan
Roshan Jagdish Patel
Morgan Deserae Swink
Alfred Lee Wilson
Chris Xavier
Nicholas Yetman

Psychology
Daleena Elizabeth Abraham
Eric Brandon Alley
Taylor M. Beard
Kayla Makenzie Bollinger
Madison Corinne Corbett
Brianna N. Cotton
Elizabeth Marie Crenshaw
Barbara Marylena Cunningham
Tuopu Deng
Carolyn Garrison Duckett
Berenice Espinoza
Elizabeth A. Fink
Taylor Fisher
Brayden Fortino
Frederick William George V
Laquasha Monique Sterline Good
Dominick Antoine Harris
Annie Melinda Harrison
Gabrielle Hannah Johnson
Kaneisha Latris Jones
Marcus Andrew Keith
Joshua Michael King
Hannah Rodman Lawrence
Nancy Hung Le
Margot Dana Marcelle Le Baron
Louis A. Murphy
Kimberly Nicole Neff
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Joyphyllis Wabari Ngugi
Thomas Tan Nguyen
Sarah Elisabeth Pannenberg
Jazmine Rebecca Perry
Jason Donovan Reid
Rickey Lee Robertson
Haley Alexandra Rognstad
Sarah Elizabeth Ross**
Hanne Lisa Govert Schrickx*+
Kristen A. Stephenson
Margaret Drexler Strode
Caroline Elizabeth Vance
Damia Lashay Whitehead

Public Policy
Christopher Andre Cummings
Jaelyn Denise Miller
Trevor Schmidt
Bradley T. Stackhouse

Religious Studies
Austin Andrews
Kelly McKenzie Carson
Taylor Jordan Smith
Rachel Elizabeth Woods

Romance Languages
Allyson K. Blose
Jennifer Courtney Davis
Margot Dana Marcelle Le Baron
Metta Nicole Longo
Kelly-Anne Martin
Alfredo Mortera Ortega
Kathryn Der Seen
Sarah B. Smith
Bennett Francis Vass

Sociology
N'Dea Dionna Bryant
Haiwei Chen
Joshua Michael King
Erika Angela Mercado
Keri Elizabeth Millikan
Cassandra Leigh Nellis*
Lysandra Rose Penn-Bartoo
Marisol Rangel
Morgan Deserae Swink
Keana Marie Ussery
Chuanqi Wei

Studio Art
Andrew C. Allen**
Miriam Martincova
Julaicka Malabago Sala*

Women's and Gender Studies
Jennifer Myers

BACHELOR OF MUSIC
William Harrison Dorsey
David Brock Suddaby

BACHELOR OF SCIENCE

Biology
Portia Lenn Andrews
Taylor M. Beard
Kanika Anand Bhansali
Sarah Brown*
Dominique Alexandra Capaldo
William Robert Church
Rukmini Deva
Chamara Udayanga Fernando
Todd Lee Friedrich II
Andrew Francis Gebhardt
Saideep Rao Gona
Ashley Gwyn
Margaret Ruth Hitchins
Allison Grace Hollowell*
Andrew Scott Kennedy Jr.
Susan Ok Kim
Saidivya Komma
Fan Li
Blanca Arantxa Lopez de Juan Abad
Mridula Manoj
Kelly-Anne Martin
Koby Taylor Martin
Richard Thomas McLawhorn
Dasean Terrell Nardone-White
Faustina X. Nguyen
Shanim Patel
Sneha Saravanan
Avanti Vinay Shirke
Nandan P. Thakkar**
Zachary Gordon Vestal

Biomedical and Health Sciences Engineering
Alexander Shore Ferguson
Audrey Jean Larson
Brittany M. Mason
Alison Marie Schaefer
Samuel Beugnot Warner**++

Chemistry
Eric C. R. McKenzie

Computer Science
Haiwei Chen++
Christopher Rhett Griggs
Benjamin X. Hu
Zachary Ryan Kaplan
Tirumala Devi Kodavanti
Brian Kai-Yan Luong*
Christian Robert Witchger

Environmental Sciences
Towqir Aziz
Laura Kathryn Rose
Marisa Ann Scavo
Margaret G. Wiener

Geological Sciences
Jordan W. Bishop+
Jonathan David Garrick
Corey Bernard Moore
Tyler Monroe Smith
Aleah Rose Walsh

Mathematical Decision Sciences
Hannah Elizabeth Braye
Clara Patricia Ferren
Braden Finch
Ducheng Jin
Weston Reilly Jordan
Xi Xing
Shijia Xu

Mathematics
Zachary Ryan Kaplan
Cole Evan Pickens

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Physics
Jonathan Prossick Schirmer*
Diwash Thapa**
McKean Tripp Tompkins

Psychology
Samuel Estevez
Kaley Faulkner
Jamie Lamesa Fields
Elyssa Bergan Goddard
Zachary Joel Harris
Burhanuddin M. Kadibhai
Akila Khan*
Austen Michelle Lax
Kelli Ros Long
Ifra Rehman
Madison Graye Shephard
Samantha Josephine Sikora
Joshua Kyle Smith
Andres Oriol Tandazo

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Joseph Thomas Brown
Sarah Jessica Hodges Everhart
Tracie Helen Fowler
Devin Jacob Hanaway
Stephen Thomas Hansen
Lea Marie Palmer
Neal Balwant Patel

The School of Dentistry
ESTABLISHED 1949
Interim Dean Kenneth May

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Hannah L. Roe

The School of Education
ESTABLISHED 1855
Dean Fouad Adb-el-Khalid

BACHELOR OF ARTS IN EDUCATION
Ariana Lucia Chenlo Padilla

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
William David Bourret
Kaitlin Thirs Canipe
Travis Joseph Fish

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM
Olivia Elizabeth Lanier

BACHELOR OF ARTS IN MEDIA AND JOURNALISM
Emma Berry
Hamza Butler
Kelly McKenzie Carson
Cierra Brooke Cotton
Jordan Fieulleteau
Jack Reid Freedman
Charles Augustus Greene II
Christopher Douglas Haney
William Gaither Jones
Paige A. Ladisic
Jessica A. Lancaster*
Victor James Lewis
Megan M. Lott
Schyler Hope Martin*
Melissa Reed Muse
Stephanie Sohn Park
Carly Elizabeth Peterson
Haley Erin Ray
Emily Rhyne
Taylor Walden Robinette
Katherine Marie Schmidt
Rachel Marie Schmitt*
Evan Taylor Semones
Jacob Springfield
Robert Bennett Sprinkle IV
Tyshawn Sutton Jr.
Daniel Felipe Vizcaino
Morgan Janelle Zaccardo

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE
Jordan W. Black
Katelyn Mackenzie Robertson*

The School of Nursing
ESTABLISHED 1950
Interim Dean Donna S. Havens

BACHELOR OF SCIENCE IN NURSING
Nicholas Adam Mauriello

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Biostatistics
Sainath Asokan

Environmental Health Sciences
Saideep Rao Gona+

Health Policy and Management
Muad Fuad Hrezi

Nutrition
Rachel Marie Howard++

CERTIFICATES

August 2016

Postbaccalaureate Certificates

The School of Media and Journalism

ESTABLISHED 1924
Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Erin Jessica Binkley
Mary M. Lindsley
Megan Kathleen Mendenhall
Melinda Beth Morris
Elizabeth Lamb Poindexter
Rachell Marie Underhill

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Meredith Diane Carroll
Samuel Aaron Lazoff

CERTIFICATE IN FIELD EPIDEMIOLOGY
Charlotte Bender
Adina Sharee Black

CERTIFICATE IN GLOBAL HEALTH
Julie Marie Hasken
Angelene Hemingway
Daniel Franklyn Glazier
Miranda Gynn Law
Michele Brodsky White

CERTIFICATE IN PUBLIC HEALTH LEADERSHIP
Jaymin Jitendra Patel

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Tiffany Bailey
Angelyn (Angie) S. Bitting
Rich Burris
Bruce Cairns
Christopher Derickson
Debbie Dibbert
Douglas S. Dibbert
Robbi Pickeral Evans
Jeffrey W. Fuchs
Austin Gold
Elizabeth S. Grady
Samuel M. Green
Deborah L. Hawkins
Steffi W. Kinton
Jacob Kornegay
Leslie S. Lerea
Michael B. McFarland
Mark Moon
Cecelia Moore
Laura Hayes Morgan
Bradley Opere
Valerie A. Price
Terry Ellen Rhodes
Gregory Dylan Russell
James I. Spurling
Vincas Steponaitis
Charles Streeter
Stacey Harris Warner

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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

THE GRADUATE SCHOOL

2017

DOCTORAL HOODING CEREMONY

THE UNIVERSITY
OF NORTH CAROLINA
AT CHAPEL HILL

SATURDAY

May 13th

TWO THOUSAND SEVENTEEN

THE GRADUATE SCHOOL

2017

DOCTORAL HOODING CEREMONY

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Saturday, May Thirteenth • Two Thousand Seventeen

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MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel hooding ceremony. Each of you has accomplished so much during your years at Carolina, and we would not be a top-tier research university without your essential contributions to our research and teaching enterprise.

Today, we also welcome your family and friends. I thank each of you for your support and encouragement of your students.

Earning a doctoral degree is a milestone achievement in your lives. I ask you to take what you have learned and make a difference in the lives of others through your scholarship and personal dedication to service. I also thank you for the extraordinary contributions you have made to the Carolina Community during your time here. You have advanced our mission of teaching and service, in addition to your own studies, which have helped create new knowledge.

Carolina has been your home for a few years, and you will always be part of this family. Now you join the ranks of many other distinguished alumni who are innovators in their fields and leaders in their communities. We look forward to hearing about your accomplishments. Congratulations!

Carol L. Folt

CAROL L. FOLT

MESSAGE *from the* GRADUATE DEAN

Congratulations, doctoral graduates! Through the diligent pursuit of your research, you have advanced important new knowledge in your academic fields that benefits North Carolina and places far beyond. You have pushed through challenges and sought out opportunities. You have persevered and thrived, and we are all here today to celebrate your remarkable achievement.

Today marks one of the most important beginnings that you will ever experience. Through your doctoral education, you gained essential perspective into your talents, leadership and ability to find new ways of navigating complex issues. Now you take your knowledge into a world that needs it – and that is good news for all of us.

Thank you for the many contributions you have made to our university and state through your teaching, research and outreach. Thank you for the ways you have encouraged others within our campus community. These contributions will endure long after you leave Carolina. I join the faculty members who have mentored you, and the family and friends who have encouraged you in wishing you the very best of success.

Steven W. Matson

STEVEN W. MATSON

ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

Hark the Sound

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

For Your Information

The Doctoral Hooding Ceremony will be captioned on video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of May degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Doctoral degree graduates may receive their diplomas in a special departmental or school ceremony. Or they may pick up their diploma from the Office of the Registrar in the Student and Academic Services Building North from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Office of the Registrar through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect and MarchingOrder.*

The DOCTORAL HOODING PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal—Terry Rhodes, *Professor and Senior Associate Dean for Fine Arts and Humanities* The Official Platform Party The Deans The Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health GRADUATE MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
National Anthem	Elizabeth Kent, *Bachelor of Music*
Remarks	For the Board of Trustees of The University of North Carolina at Chapel Hill Haywood Cochrane, *Vice Chair*
Introduction of the Commencement Speaker	Madelyn Percy, *Graduate and Professional Student Federation President-elect*
Commencement Address	Richard Lenski, *John Hannah Distinguished Professor of Microbial Ecology at Michigan State University*
Conferring of Doctoral Degrees	Carol L. Folt, *Chancellor* James W. Dean Jr., *Executive Vice Chancellor and Provost* Marsha Collins, *Caroline H. and Thomas S. Royster Distinguished Professor for Graduate Education, English and Comparative Literature* Steven W. Matson, *Dean of The Graduate School*
Presentation of the Faculty Award for Excellence in Doctoral Mentoring	Steven W. Matson, *Dean of The Graduate School*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Recessional	*Hark the Sound* Elizabeth Kent

CAROL L. FOLT

Chancellor

When Carol L. Folt became Carolina's 11th chancellor, and 29th in the lineage of leaders that dates back to Carolina's founding, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt – an internationally recognized life scientist, award-winning teacher and accomplished academic leader – has worked to fulfill that honorable charge by placing Carolina's students at the center, advancing the University's academic excellence, championing Carolina as a leading global public research university and focusing on innovation through the development of new avenues for entrepreneurship that are translating world-class ideas into real-world applications.

Carolina, which routinely ranks among the nation's top public universities and is noted as one of the best values in college education, welcomed its largest and most academically accomplished class this past fall. Once again selected from a record pool of applicants, 17 percent of the Class of 2020 are the first in their family to attend a four-year institution of higher education, and the number of active duty and veterans of military service on campus is the highest since World War II. Carolina is one of the nation's top ten research universities and ranks 8th in the nation for federal research funding. In the last couple of years, the University has reached nearly $1 billion in annual research expenditures.

Under the chancellor's leadership, Carolina has also continued to improve on the school's winning track record of undergraduate diversity, retention and graduation rates – particularly for low-income, first-generation and underrepresented students – while moving forward with additional emphasis on Carolina's historic commitment to ensuring affordability together with accessibility and excellence. Carolina is one of the few public universities that remains both need-blind and covers the full financial need of its students. Carolina is the least expensive of 14 peer public universities. Its debt-per-student has remained nearly flat in inflation-adjusted dollars for more than a decade.

As leader of North Carolina's flagship public university, Folt and her leadership team champion attracting, developing and retaining world-class faculty that are focused on excellence in teaching and research. Carolina's faculty lead by doing, and each day they share their knowledge and excitement with the next generation who will face a rapidly evolving future as they embark upon impactful careers, many in fields that don't exist today. Carolina is committed to benefiting its local and state communities and to cultivating the global outlook of its students. More than a third of Carolina undergraduate students study abroad – one of highest rates among public universities.

Folt believes a key mission of the chancellor is to broadly share stories about student and faculty excellence, demonstrating Carolina's value to the state and commitment to the future. An enthusiastic presence in classrooms and at campus events and athletic competitions, Folt brings students and faculty to every meeting of Carolina's Board of Trustees to discuss ground-breaking research and academic accomplishments. She initiated significant investments in the communications team to tell stories to new audiences across the state, nation and world.

Folt, a widely respected scientist, came to Carolina from Dartmouth College, where she was interim president in 2012–2013. She served as a faculty member in the Department of Biological Sciences and was an academic leader. Folt and her students' pioneering work on the effects of dietary mercury and arsenic on human and ecosystem health led to numerous changes in national and global policy and consumption advisories around the world. Folt graduated from the University of California, Santa Barbara, earning both a bachelor's degree in aquatic biology and a master's degree in biology. She received her doctorate from the University of California, Davis, and undertook a postdoctoral fellowship at Michigan State University before joining the faculty at Dartmouth.

When asked about the future, Folt said that while so much has been accomplished at the nation's first public university, the best is yet to come. She then smiled and said, "I know this because I witness it on campus every day. The future is studying in our classrooms, working in our labs and serving our communities right now. I couldn't be more proud and optimistic."

Follow @ChancellorFolt on Twitter

WHAT'S HAPPENING AT UNC

- In 2015, Dr. Aziz Sancar received the Nobel Prize for Chemistry, joining another faculty member, Dr. Oliver Smithies, who won the Nobel Prize in Physiology or Medicine in 2007. Dr. Smithies passed away at 91 in January 2017. As Chancellor Folt noted, "Oliver Smithies was such a loving, wonderful force for all things good in this world."
- The University launched a first-of-its-kind public-private partnership with GSK, creating a research center on campus and a jointly owned company, Qura Therapeutics – a global, research-based pharmaceutical and healthcare company – dedicated to discovering a cure for HIV/AIDS.
- In February 2016, Dr. Stephanie Wheeler and Dr. Niklaus Steiner participated in Vice President Joe Biden's panel discussion that was part of the Cancer Moonshot federal initiative to spur breakthroughs in cancer research.
- Carolina was recognized by the Foundation for Individual Rights in Education (FIRE) as one of the best universities in the U.S. for promoting freedom of speech, which is one of the hallmarks of the greatest American universities.
- For the second year in a row the oldest and most respected diversity-focused higher education publication, INSIGHT Into Diversity, honored Carolina for its outstanding commitment to diversity and inclusion.
- The University celebrated another record year of fundraising, receiving more than $495 million in commitments in fiscal year 2016 – nearly a 10 percent jump from the previous year.

STEVEN W. MATSON

The Dean of The Graduate School

Steven W. Matson has served as dean of The Graduate School since 2008. He joined the UNC–Chapel Hill faculty in 1983.

Matson also is a professor in the Department of Biology in the College of Arts and Sciences, where he served as chair from 2002 to 2008. He is a biochemist by training. His research focuses on DNA repair, conjugative DNA transfer and the enzymatic mechanisms and biological roles of DNA helicases.

He is a recipient of the American Cancer Society Faculty Research Award and has served as a reviewer for the National Institutes of Health, the National Science Foundation and the American Cancer Society, in addition to a wide range of journals including the Journal of Molecular Biology, Biochemistry, Proceedings of the National Academy of Sciences and the Journal of Biological Chemistry, where he was an editorial board member from 2000 to 2005.

At Carolina, Matson has taught a variety of courses, including Current Topics in Biology, Advanced Molecular Biology, Advanced Cell Biology and honor sections of Genetics and Molecular Biology. A past recipient of the University's Tanner Award for Excellence in Undergraduate Teaching, Matson has served on a number of campus committees.

On the national level, he serves as chair of the Graduate Record Exam (GRE) Board of Directors and is a member of the TOEFL Board, which advises the Educational Testing Service (ETS) on policies related to the English language test.

On the state level, Matson serves as president of the North Carolina Council of Graduate Schools. In collaboration with graduate dean colleagues across North Carolina, Matson helped create and implement Graduate Education Day at the Capitol in 2011.

As dean of The Graduate School, Matson has led interdisciplinary efforts focused on extending critical financial and professional support to graduate students. Included are the creation of a Summer Research Fellowship program focused on academic areas where summer funding is limited, and the creation of the Richard Bland Fellowship Professional Pathways Program, for student internships that explore specific nonfaculty career paths.

A native of Coos Bay, Ore., Matson earned a bachelor's degree in mathematics from Colgate University. His master's and doctoral degrees are from the University of Rochester, both in biochemistry.

RICHARD LENSKI

The Doctoral Hooding Ceremony Speaker

Richard Lenski, who received his doctorate in zoology from UNC–Chapel Hill, is the John Hannah Distinguished Professor of Microbial Ecology at Michigan State University. He was awarded a MacArthur Foundation Fellowship and was elected to the National Academy of Sciences for his pioneering long-term experiment that has tracked evolution for more than 65,000 generations of E. coli bacteria.

Lenski began his experiment in 1988, choosing to study bacteria because they reproduce and evolve quickly. The experiment, which continues to this day, has enabled Lenski and his students to directly observe the process of adaptation by natural selection, and to examine the repeatability of evolution in a controlled setting. They unexpectedly saw, after some 30,000 generations, the appearance of a new metabolic function in one population that transcends the usual definition of E. coli as a species. Using new technologies, Lenski's team has sequenced hundreds of genomes to find the mutations responsible for these changes. The results of this experiment have been published in Science, Nature and other leading journals.

Lenski has also collaborated with an interdisciplinary team from computer science, philosophy and physics to study "digital organisms" — that is, computer programs that live and evolve in an artificial world. This computational approach allows the researchers to track every mutational step leading to the emergence of new functions in these evolving programs.

"Dr. Lenski has made unprecedented discoveries within evolutionary biology that resonate throughout the entire field," said Steven W. Matson, dean of The Graduate School. "He has conducted his historic experiment with tremendous commitment, patience and passion for his work."

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CANDIDATES *for* GRADUATE DEGREES

May 2017 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Oren Abeles, *English and Comparative Literature,* The Agricultural Climax and Darwin's Evolutionary Rhetoric. Professor Jordynn Jack.

Jeffrey Ackermann, *Economics,* The Effect of Franchising on Store Performance and Consumer Utility. Professor Brian McManus.

Chris Bernard Otieno Agala, *Health Policy and Management,* Referral Network Factors and Health Outcomes Among HIV-Positive Women in Ethiopia. Professor Bruce J. Fried.

Aderonke Aramide Akinkugbe, *Epidemiology,* Periodontal Origins of Non-alcoholic Fatty Liver Disease. Professors Gerardo Heiss and Gary D. Slade.

Kei Lis Alegria-Flores, *Health Policy and Management,* Complex Systems: An Innovative Approach to Improve Multidrug-Resistant Tuberculosis Treatment Adherence. Professor Bryan J. Weiner.

George H. Allen, *Geological Sciences,* Global Abundance and Morphology of Rivers and Streams. Professor Tamlin M. Pavelsky.

Hyowon An, *Statistics and Operations Research,* Gaussian Centered L-Moments. Professors James Stephen Marron and Kai Zhang.

Elizabeth H. Andersen, *Neuroscience,* Convergence of Aberrant Electrophysiological Correlates of Salience, Affective Processing and Stress Reactivity in Patients With Schizophrenia. Professors Aysenil Belger and Kelly S. Giovanello.

Maiko Arashiro, *Environmental Sciences and Engineering,* Understanding the Biological Effects of Isoprene-Derived Secondary Organic Aerosol. Professor Jason Surratt.

Ariel Jasmine Atkinson, *Environmental Sciences and Engineering,* Development and Performance Evaluation of an Innovative Anti-Biofouling Reverse Osmosis Membrane for Water Purification Applications. Professor Orlando Coronell.

Heather-Leigh Kathryn Ba, *Political Science,* Development, Transition, and Crisis in the International System: 1870–2009. Professor Thomas Oatley.

Emily Bailey, *Environmental Sciences and Engineering,* Microbial Quality and Risk Assessment of Alternative Sources of Drinking Water Impacted by Waste Water: An Analysis of NC Type 2 Reclaimed Water for Potable Reuse. Professor Mark D. Sobsey.

Nicholas Anthony Battista, *Mathematics,* The Fluid Dynamics of Heart Development: The Effect of Morphology on Flow at Several Stages. Professor Laura A. Miller.

Anna Elizabeth Bauer, *Epidemiology,* Variations in Carbon Monoxide, Nitric Oxide and Detoxification Genes, Interactions With Maternal Smoking, and Associations With Preeclampsia: A Mother-Child Dyad Analysis. Professor Stephanie M. Engel.

Evan Edward Beauvilliers, *Chemistry,* Controlling Electron Transfer Photoreactivity of Ruthenium Polypyridyl Compounds at the Semiconductor Interface and in Solution. Professor Gerald J. Meyer.

Trandon Allen Bender, *Chemistry,* Methods for the Selective Modification of Carbohydrates and Natural Products. Professor Michel R. Gagne.

Elizabeth S. Berger, *Anthropology,* Bioarchaeology of Adaptation to Climate Change in Ancient Northwest China. Professor Dale L. Hutchinson.

Lilah Marie Besser, *City and Regional Planning,* Neighborhood Built Environment Characteristics and Cognition in Non-Demented Older Adults. Professor Daniel A. Rodriguez.

Garima Bhalla, *Public Policy,* Poverty Alleviation and Public Policy: Three Essays on Impact of Cash Transfers on Food Insecurity, Life Satisfaction and Informal Transfers. Professor Sudhanshu Handa.

Paolo Bocci, *Anthropology,* Invasive Life: Illegal Immigrants and Invasive Species on the Galapagos Islands, Ecuador. Professor Margaret Wiener.

Kelly Nicole Bodwin, *Statistics and Operations Research,* Methods of Association Mining by Variable-to-Set Affinity Testing. Professors Andrew Nobel and Kai Zhang.

Courtney Elizabeth Boen, *Sociology,* Inequality "Under the Skin": Stress and the Biodemography of Racial Health Disparities Across the Life Course. Professors Y. Claire Yang and Karolyn Tyson.

John Peyton Bohnsack, *Pharmacology,* Epigenetic Control of GabaA-R Expression by Ethanol. Professor A. Leslie Morrow.

Gina Bombola, *Musicology,* "Can't Help Singing": The "Modern" Opera Diva in Hollywood Film, 1930–1950. Professor Annegret Fauser.

Lindsay Marissa Brainard, *Philosophy,* The Scientific Power of Simulation: How Simulations Explain, Confirm and Discover. Professor Marc Lange.

Karen Bulaklak, *Pharmaceutical Sciences,* Uncovering the Role of microRNA-206 in Duchenne Muscular Dystrophy. Professor Xiao Xiao.

Montika Bush, *Epidemiology,* Secondary Prevention Methods After Acute Myocardial Infarction Among Medicare Beneficiaries. Professor M. Alan Brookhart.

Ricky Leigh Camplain, *Epidemiology,* Non-Hospitalized Heart Failure in the Community: Characteristics of Self-Reported and Outpatient Heart Failure. Professor Gerardo Heiss.

Jordan Cates, *Epidemiology,* Malaria and Malnutrition During Pregnancy: An Investigation of Interactions and Interventions. Professor Daniel J. Westreich.

Natalia Chernysheva, *Slavic Languages and Literatures,* The Haptic in Lev Tolstoi's "Anna Karenina." Professor Christopher Putney.

Jongmin Choi, *Public Policy,* The Emergence of 3D Printing. Professor Maryann P. Feldman.

MUSIC

On Commencement weekend, graduates, families and friends will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Doctoral Hooding ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Konigsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Konigsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Lynn Suzanne Chollet Hinton, *Epidemiology,* Epidemiology of Breast Cancer Among Young Black Women and the Rise in Young-Onset Distant Disease in the U.S. Professor Melissa Troester.

Yuan Chong, *Physics,* NMR Studies of Protein Hydration and Protein-Ligand Interactions. Professor Yue Wu.

Elizabeth Artemis Clark, *Classics,* The Chronicle of Novalese: Translation, Text and Literary Analysis. Professor Robert G. Babcock.

Jenna Leigh Clark, *Psychology,* The Role of Text Messaging in Close Relationships. Professor Sara B. Algoe.

Natalie R. Cohen, *Marine Sciences,* Iron-Related Molecular Physiology of Marine Diatoms: Individual Genes to Community Transcriptomes. Professor Adrian Marchetti.

Rachel D. Cohen, *Chemistry,* Quinary Structure Alters Protein Folding Landscapes. Professors Gary J. Pielak and Eric M. Brustad.

Daniel B. Coleman Chavez, *Communication Studies,* Intimacies of Un-Becoming: Oral History Performances and Mujeres Afrodescendientes in San Cristóbal de las Casas, Chiapas, México. Professor Della Pollock.

Theresa Marie Coles, *Health Policy and Management,* Sleep Disturbance in Individuals Diagnosed With Colorectal Cancer: Factors Associated With Sleep Disturbance and Changes in Sleep Disturbance. Professor Bryce Reeve.

Michael Aaron Collier, *Pharmaceutical Sciences,* Formulation, and Characterization of Carrier Vehicles for Infectious Disease Treatment and Modulation of the Innate Immune System. Professor Kristy M. Ainslie.

Kyla A. L. Collins, *Bioinformatics and Computational Biology,* Data-Driven Computational Modeling of the State and Architecture of the Breast Cancer Kinome. Professors Shawn M. Gomez and Gary L. Johnson.

Aubrey Noel Comperatore, *Education,* Negotiating Networks: Exploring the Interaction and Intersection of a Teacher's Beliefs, Literacy Policy and Instruction. Professors Leigh A. Hall and Julie E. Justice.

Christina Cordero, *Epidemiology,* The Association Between Prenatal and Neonatal Complications and Autism Spectrum Disorder in the Child. Professor Julie L. Daniels.

Meredith Corley, *Bioinformatics and Computational Biology,* The Functional Effects of RNA Structure: From riboSNitches to Translational Control. Professor Alain Laederach.

David M. Crizer, *Chemistry,* Understanding of Novel Chemistries Using Mass Spectrometry, Differential Ion Mobility Spectrometry and Theoretical Calculations. Professor Gary L. Glish.

Matthew Paul Dannenberg, *Geography,* Environmental Limitations to Forest Growth and Productivity in North America. Professors Conghe Song and Erika K. Wise.

James Mancil Davison, *Cell and Developmental Biology,* Identification of Transcription Regulatory Mechanisms Mediating Host Responses to Microbiota in the Intestinal Epithelium. Professor John F. Rawls.

Julian Diez Torres, *Romance Languages and Literatures,* Amplificación Retórica y Género Historiográfico en La Florida del Inca y Los Comentarios Reales del Inca Garcilaso de la Vega. Professor Rosa Perelmuter.

Lisa Diane DiMartino, *Health Policy and Management,* Implementation and Effectiveness of Triggered Palliative Care Consults in Oncology. Professor Bryan J. Weiner.

Rachel B. Dolin, *Health Policy and Management,* Drivers of Live Discharge from the Medicare Hospice Program: A Mixed Methods Study. Professor Pam Silberman.

Matthew William Dougherty, *Religious Studies,* Land of the Jewish Indians: How the Hebrew Bible Made Race and Territory in the Early United States. Professor Laurie F. Maffly-Kipp.

Emily Anne Elliott, *Marine Sciences,* Raiding the Toolbox - Techniques for Assessing Historical, High-Resolution Records of Coastal Estuarine Sediment Erosion, Transport and Sedimentation. Professors Brent A. McKee and Antonio B. Rodriguez.

Tommy Ender, *Education,* Changing Someone Else's Story: How Social Studies Teachers Transform the Discipline. Professors George Noblit and Juan F. Carrillo.

Trevor FitzSimmons Erlacher, *History,* The Furies of Nationalism: Dmytro Dontsov, the Ukrainian Idea and Europe's Twentieth Century. Professor Donald J. Raleigh.

Catherine Fahey, *Genetics and Molecular Biology,* The Effect of Cancer-Associated SETD2 Mutations on Transcription and Chromatin Organization. Professor Albert S. Baldwin.

Donato Fhunsu, *English and Comparative Literature,* The Kongo Rule: The Palo Monte Mayombe Wisdom Society. Professors Inger S. B. Brodey and Todd Ramón Ochoa.

Matthew P. Forsstrom, *Economics,* Abortion Costs and Single Parenthood: A Life-Cycle Model of Fertility and Partnership. Professor Donna Gilleskie.

Bruce O'Brian Foster, *Sociology,* "I Don't Like the Blues": Stories of Memory, Race and Regional Futures From the Mississippi Delta. Professor Karolyn D. Tyson.

Allan Mathew Freyer, *City and Regional Planning,* Incentives in a New Light: Enhancing the Effectiveness of State Economic Development Through Policy Embeddedness. Professor Nichola Lowe.

Ning Fu, *Economics,* When the Honeymoon is Over: The Effects of Family Structure on Children's Cognitive and Non-Cognitive Achievements. Professor Donna B. Gilleskie.

Joshua Thomas Fuehs, *Physics,* Fundamental Properties of White Dwarfs Alone and in Binaries. Professor J. Christopher Clemens.

Preston Brooks Fuller, *Mass Communication,* Words, Wounds, and Relationships: A Mixed-Method Study of Free Speech and Harm in High-Conflict Environments. Professor Cathy L. Packer.

Elijah Gaddis, *American Studies,* Processional Mobility and Celebratory Culture in Black North Carolina, 1865–1945. Professor Bernard L. Herman.

Andrew Jordan Gard, *Romance Languages and Literatures,* The Rise of the Coquette in Seventeenth- and Eighteenth-Century Theater. Professor Ellen R. Welch.

Stephanie Rebekah Gaskill, *Religious Studies,* Moral Rehabilitation: Religion, Race, and Reform in America's Incarceration Capital. Professor Laurie Maffly-Kipp.

William Mckay Gilliland, *Chemistry,* Development and Applications of a Microchip Capillary Electrophoresis-High Pressure Mass Spectrometry Platform. Professor J. Michael Ramsey.

Nancy K. Gillis, *Pharmaceutical Sciences,* Exploring Clinical and Genetic Factors to Optimize the Use of Tyrosine Kinase Inhibitors in Clinical Practice. Professors Howard McLeod and Tim Wiltshire.

Chris Givens, *Cell and Molecular Physiology,* Hemodynamic Mechanisms Regulating Inflammatory Vascular Remodeling. Professor Ellie Tzima.

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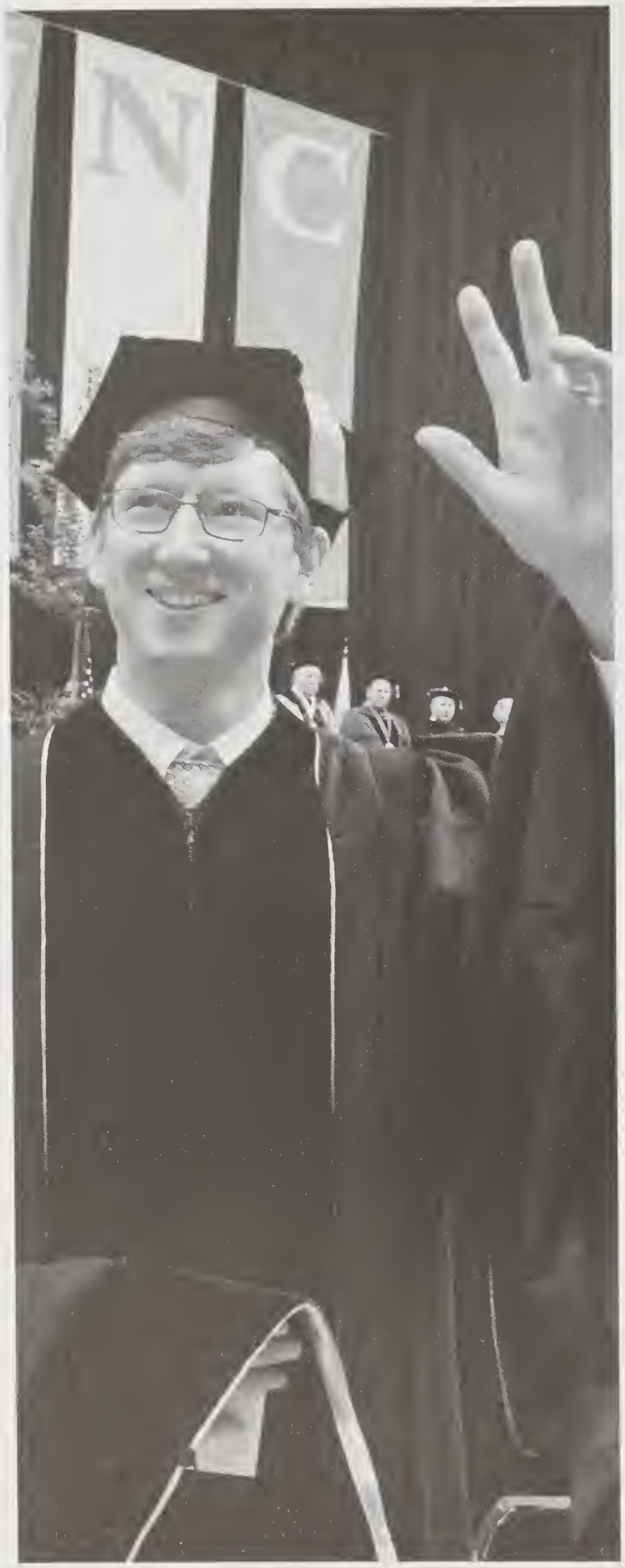

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DOCTOR OF PUBLIC HEALTH

Rachelle Chiang, *Health Policy and Management*, Perspectives on Infant Feeding Beliefs, Attitudes and Practices of Hispanic Mothers Enrolled in WIC: Implications for Breastfeeding Peer Counseling. Professor Asheley Cockrell Skinner.

Elizabeth Cahn Goodman, *Health Policy and Management*, The Potential Implications of the Medicare Advantage Stars Methodology for Plans Serving Low Socioeconomic Status Communities. Professor Pam Silberman.

Julie Osgood, *Health Policy and Management*, Workplace Environmental and Policy Practices That Support Healthy Behavior Among Employees With Prediabetes: Implications for Employers. Professor Sandra Greene.

GRADUATE DEGREES

August 2016 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

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DOCTOR OF PHILOSOPHY

Sumayya Ahmed, *Information and Library Science,* "We Call on Citizens To Be Aware of the Value of What is in Their Homes": A Case Study of the Hassan II Prize for Manuscripts and Archival Documents. Professor Christopher Lee.

Jordan Albritton, *Health Policy and Management,* Quality Improvement in Lower-Income Countries: An Evaluation of the Effectiveness of Hospital-Based Teams in Ghana. Professor Bruce Fried.

Daniel Carl Anacker, *Microbiology and Immunology,* Manipulation of the Host Cell DNA Damage Pathways by Human Papillomavirus. Professor Cary Moody.

Peter Joseph Attayek, *Biomedical Engineering,* Automation of the Microraft Array Platform for the Selection of Cytotoxic T Lymphocytes. Professor Nancy Allbritton. Professor Shawn Gomez

Melissa Aimee Babilonia-Rosa, *Biochemistry and Biophysics,* The Role of Lipase Maturation Factor 1 in the Maturation of Lipoprotein Lipase. Professor Saskia Neher.

Seth M. Barrett, *Chemistry,* Light-Driven Hydride Transfer From Iridium Hydride Complexes. Professor Alexander Miller.

Kellie Beicker, *Physics,* Development of a Combined Atomic Force Microscopy and Side-View Imaging System for Mechanotransduction Research. Professor Richard Superfine.

Garrett Berry, *Genetics and Molecular Biology,* Chemical Modulation of AAV Trafficking. Professor Aravind Asokan.

Michael Bertrand, *Philosophy,* Metaphysical Constraints: Theory and Explanation. Professor L.A. Paul.

Justin Chaffin Blankenship, *Journalism (Mass Communication),* Solo Journalism and News Routines: Using the Hierarchical Influences Model to Study the Organizational and Individual Influences of Solo Journalism in Local Television News. Professor Daniel Riffe.

Chanil Boo, *Business Administration,* Essays on When More is More and Less is Less: Marketing Investments and Productivity, Firm Value and Stock Market. Professor William Putsis.

Erin K. Borchardt, *Genetics and Molecular Biology,* Molecular Approaches for Controlling RNA Stability. Professor Aravind Asokan.

Samuel Joseph Brannon, *Musicology,* Books About Music in Renaissance Print Culture: Authors, Printers and Readers. Professor Anne MacNeil.

Nelson Carl Brunsting, *Education,* Teacher Support as a Moderator Between Student Sixth-Grade Transition Experiences and End-of-Year Adjustment. Professor Jill Hamm.

Christopher Bryant, *Biostatistics,* A Bayesian Analysis of Weighted Stochastic Block Models With Applications in Brain Functional Connectomics. Professors Joseph Ibrahim and Hongtu Zhu.

Larissa Calancie, *Nutrition,* Measuring and Testing How Food Policy Councils Function to Influence Their Food Systems. Professor Alice Ammerman.

Casey Dean Calhoun, *Psychology,* Depressive Symptoms and Acute HPA Axis Stress Regulation in the Context of Adolescent Girls' Friendships. Professor Mitchell Prinstein.

Michael Caprino, *Education,* Motivation, Resilience and Rural Students with Learning Disabilities. Professor Judith Meece.

Sara Bush Castro, *History,* Improvising Tradecraft: The Evolving U.S. Intelligence Regime and the Chinese Communist Party in the 1940s. Professor Michael Tsin.

Maganizo Brave Chagomerana, *Epidemiology,* Option B+ in Malawi: Antiretroviral Therapy for Prevention of Mother-to-Child HIV Transmission and Its Effects on Preterm Birth and Female-to-Male HIV Transmission. Professor Kimberly Powers.

Shih Ying Chang, *Environmental Sciences and Engineering,* High Resolution Air Quality Modeling for Improved Characterization of Exposures and Health Risk to Traffic-Related Air Pollutants (TRAPs) in Urban Areas. Professors Saravanam Arunachalam and William Vizuete.

Ellen Chetwynd, *Maternal and Child Health,* Cumulative Lactation and Metabolic Disease in African American Women. Professor Alison Stuebe.

Sophia Choukas-Bradley, *Psychology,* Examining the Roles of Peer Norms, Peer Influence Susceptibility, and Gender in Early Adolescents' Numbers of Sexual Partners Over Time: An Innovative Experimental Paradigm and Longitudinal Study Design. Professor Mitchell Prinstein.

Joseph Dale Christesen, *Chemistry,* Synthetically Controlling Doping and Nanoscale Morphology in Vapor-Liquid-Solid Grown Silicon Nanowires to Encode Functionality. Professor James Cahoon.

Amanda Bennett Click, *Information and Library Science,* Adapting to Higher Education in a New Culture: International Students' Perspectives on Research, Writing, and Academic Integrity. Professor Sandra Hughes-Hassell.

Ashley Costner, *Education,* Assessing the Cognitive Functioning of Students With Intellectual Disabilities: Practices and Perceptions of School Psychologists. Professor Rune J. Simeonsson.

Michael Zan Crowder, *Education,* A Novel of Education: Stories of Secondary Teaching in North Carolina. Professor Madeleine Grumet.

Elizabeth Ann Cutrer, *Education,* The Benefit of Literacy Coaching for Initial Resistance to Implementation of a Literacy Program for Struggling Readers. Professor Lynne Vernon-Feagans.

Mary Donegan, *City and Regional Planning,* Inside the Triangle: Advancing Research on Entrepreneurship and Firm Locations. Professor Nichola Lowe.

Derrick Drakeford, *Education,* Black Male Presidents of Historically Black Colleges and Universities: A Life Narrative Study. Professors Sherick Hughes and Charles Price.

Qing Duan, *Bioinformatics and Computational Biology,* Imputation-Based Genetic Association Analysis of Complex Traits in Admixed Populations. Professor Karen L. Mohlke.

Megan Kelly Eagen, *Musicology,* The Articulation of Cultural Identity through Psalm Motets, Augsburg 1540–1585. Professor Anne MacNeil.

Kathleen Eckert, *Physics,* A Mass Census of the Nearby Universe with the RESOLVE Survey. Professor Sheila Kannappan.

Thomas Eisenhart, *Chemistry,* Spectroscopic Monitoring of Proton Transfer and Proton-Coupled Electron Transfer Reactions. Professor Jillian Dempsey.

Ozgun Erdogan, *Biochemistry and Biophysics,* Proteomic Dissection of LPS-Inducible PHF8-Dependent Secretome Reveals Novel Roles of PHF8 in TLR4-Induced Acute Inflammation and Activation of Adaptive Immunity. Professor Xian Chen.

Suzannah Evans, *Journalism (Mass Communication),* Low Emissions, High Concern: How Climate Communicators Grapple with a Transnational Issue in the Philippines. Professor Daniel Riffe.

Ejiofofr Ezekwe, *Pharmacology,* Cellular Mechanism of Staphylococcus Aureus Alpha-Hemolysin-Mediated Activation of the NLRP3 Inflammasome. Professor Joseph A. Duncan.

Claudia Falcon, *Mathematics,* Entrainment Dominated Effects in the Long Residence Times of Solid Spheres Settling in Sharply Stratified Miscible Viscous Fluids. Professors Roberto Camassa and Richard McLaughlin.

Candace Killian Farrell, *Social Work,* Childhood Trauma and Adolescent Mental Health: A Transdisciplinary Approach for Social Work Research and Practice. Professor Sarah Bledsoe.

T. Evan Faulkenbury, *History,* Poll Power: The Voter Education Project and the Financing of the Civil Rights Movement, 1961–1992. Professor James Leloudis.

Effrat Libby Fayer, *Chemistry,* The Design and Application of Peptides and Synthetic Receptors to Chemical Biology. Professor Marcey Waters.

Lindsay Fernandez-Rhodes, *Epidemiology,* Genomics and Epidemiology: Diverse Measures and Populations in the Trans-Ethnic Fine-Mapping of Genetic Loci for Body Mass. Professor Kari E. North.

Melanie Sandy Fischer, *Psychology,* Disorder-Specific Patterns of Emotion Co-Regulation in Couples: Comparing Obsessive Compulsive Disorder and Anorexia Nervosa. Professor Donald Baucom.

Louise Kathleen Fleming, *Nursing,* Parental Management of Adrenal Crisis in Children with Congenital Adrenal Hyperplasia. Professor Marcia Van Riper.

Joseph Fletcher, *English,* Quid's Pantheism: William Blake as Natural Philosopher. Professor Joseph Viscomi.

Cassie Ford, *Psychology,* When, Why and How Do Attentional Control Settings Influence Reflexive Capture? Professor Joseph Hopfinger.

Megan Elizabeth Fox, *Chemistry,* Adaptations in In Vivo Catecholamine Signaling in Models of Stress and Addiction. Professor R. Mark Wightman.

Diane B. Francis, *Journalism (Mass Communication),* Evaluation of an Innovative Condom Distribution Program and Point-of-Access Messaging Targeting Black College Women. Professor Seth Noar.

Barnett Samuel Frank, *Human Movement Science,* The Influence of Movement Profile on the Female Athlete's Biomechanical Resilience and Training Load Response to Controlled Exercise Exposure. Professor Darin Padua.

Leslie Christopher Freeman, *Genetics and Molecular Biology,* A Role for the NLR Family Members NLRC4 and NLRP3 in Astrocytic Inflammasome Activation and Astrogliosis. Professors Jenny P. Y. Ting and Glenn Matsushima.

Jing Fu, *Pharmaceutical Sciences,* The Role of Carboxylesterases in the Biotransformation of a Radionuclide Decorporation Agent DTPA Penta-Ethyl Ester Prodrug. Professors Michael Jay and Xiao Xiao.

Yaozong Gao, *Computer Science,* Accurate Segmentation of CT Pelvic Organs via Incremental Cascade Learning and Regression-Based Deformable Models. Professor Dinggang Shen.

Jeffrey Tyler Gibbons, *English,* Asian American War Stories: Trauma and Healing in Contemporary Asian American Literature. Professor Jennifer Ho.

Katherine Greenburg Gilliom, *Romance Languages and Literatures,* Searching for Truth: Constructing a Collective Memory of Aldo Moro in Italian Cinema. Professor Marisa Escolar.

Paul Giokas, *Chemistry,* Investigating Molecule-Semiconductor Interfaces With Nonlinear Spectroscopies. Professor Andrew Moran.

Dylan M. Glatt, *Pharmaceutical Sciences,* Monoclonal Antibody-Mediated Tumor Targeting and Drug Delivery to Solid Tumors. Professor Russell Mumper.

Shoshana Kyra Goldberg, *Maternal and Child Health, Patterns,* Predictors and Consequences of Sexual Initiation Among Sexual Minority Youth. Professor Carolyn Halpern.

Matthew Jacob Goldfogel, *Chemistry,* Hydrofunctionalization Through Electrophilic Alkene Activation Using Carbodicarbene Ligands. Professor Simon Meek.

Brandon Gorman, *Sociology,* Pious Politics: Political Theology in the Arab World and Beyond. Professor Charles Kurzman.

Mary Sinclair Greenwood, *Romance Languages and Literatures,* Her Space, Her Story: Francophone Women's Writing in Louisiana. Professor Dominique Fisher.

Melinda Rose Grosser, *Microbiology and Immunology,* Determinants of Nitric Oxide Resistance in Staphylococcus aureus. Professor Anthony Richardson.

Wenhua Guan, *Mathematics,* Fast Algorithms for Brownian Dynamics With Hydrodynamic Interactions. Professor Jingfang Huang.

John Robert Gunnell, *Marine Sciences,* Using Regional Data Sets to Study Source to Sink Sedimentary Processes. Professor Brent McKee.

Zhishan Guo, *Computer Science,* Real-Time Scheduling of Mixed-Critical Workloads Upon Platforms With Uncertainties. Professor Sanjoy Baruah.

George Perry Harabin, *Mathematics,* Diffusively Driven Shear Flows in Stratified Fluids. Professors Roberto Camassa and Richard McLaughlin.

Jane Elizabeth Hartung, *Neurobiology,* Distinct Mechanisms Underlie the Onset and Maintenance of Pain Linked to Catecholamine Dysregulation. Professor Andrea Nackley.

Kylah J. Hedding, *Journalism (Mass Communication),* What the Frack Are We Talking About? The Interrelated Roles of Science, Media and Strategic Communication in the Public Debate of Fracking in North Carolina and New York. Professor Daniel Kreiss.

Joshua Paul Hevert, *History,* Orthodoxy Abroad: John XXII and Global Christendom. Professor Brett Whalen.

Denise Hill, *Journalism (Mass Communication),* Public Relations, Racial Injustice and the 1958 North Carolina Kissing Case. Professor Barbara Friedman.

Katelyn Marie Holliday, *Epidemiology,* Understanding Spatial Patterns of Physical Activity: Measurement Implications for Epidemiologic Research. Professor Kelly Evenson.

Yi Hong, *Computer Science,* Image and Shape Analysis for Spatiotemporal Data. Professor Marc Niethammer.

David Seung Huh, *Business Administration,* Essays on Sellers' Incentive for Information Disclosure. Professor William Putsis.

Chao-Wei Hung, *Biology,* Regulation of Membrane Traffic by Intrinsic and Extrinsic Mechanisms. Professor Mara Duncan.

Hyeyoung Hwang, *Education,* Similarities and Differences in Math-Related Motivation and Intention to Pursue Math in the Future: A Cross-National Study in the United States and South Korea. Professor Judith Meece.

Keenan Jenkins, *Psychology,* Challenging Observed Prejudice: Testing the Roles of Goal Intentions and Implementation Intentions. Professor Paschal Sheeran.

Matthew Vincent Joannou, *Chemistry,* Stereoselective Incorporation of Boron into Molecules via Additions of Alpha-Borylated Organometallics to Electrophiles. Professor Simon Meek.

Britta Elyse Jones, *Pathology,* DNA Methylation Patterns as a Biomarker of Disease Relapse and Remission in Patients with ANCA-Associated Vasculitis. Professor Ronald Falk.

Mohammad Ali Kadivar, *Sociology,* Protest Mobilization and Democratization in a Comparative Perspective. Professor Charles Kurzman.

Saydia Gulrukh Kamal, *Anthropology,* Death in the Time of Saving Lives: Cholera Research and Humanitarian Governance in Bangladesh. Professor Peter Redfield.

Daniel Oliver Kechele, *Cell and Molecular Physiology,* Novel Functions of Adrenomedullin Receptor Activity-Modifying Protein 2 and Gpr182 in Cardiovascular Disease and Cancer. Professor Kathleen Caron.

Farnoosh Khodakarami, *Business Administration,* Essays on Relationship Marketing. Professors Rajdeep Grewal and J. Andrew Petersen.

Douglas Kirkpatrick, *Chemistry,* Expanding Neurochemical Methods: Improved Drug Delivery and Multi-Modal Recording. Professor Mark Wightman.

Robin Knauf, *Chemistry,* Spectroscopic Investigations of Electron Transfer Processes at Semiconductor Interfaces. Professor Jillian Dempsey.

Sanja Knezevic Antonijevic, *Geological Sciences,* Imaging the Peruvian Flat Slab With Rayleigh Wave Tomography. Professors Jonathan Lees and Lara Wagner.

Michael Muhammad Knight, *Religious Studies,* Muhammad's Body: Prophetic Assemblages and the Baraka Network. Professor Juliane Hammer.

Amber L. Koenig, *Chemistry,* Probing the Mechanism of Binding and Recognition of Methylated Lysine. Professor Marcey Waters.

Stevie Larson, *Geography,* The Fractured Values of Best Interests: Struggles and Spaces of Transnational Adoption. Professor John Pickles.

John Lawless, *Philosophy,* A Right to Recognition: Freedom in a Democratic Society. Professor Gerald Postema.

Daniel B. Lee, *Psychology,* Religious Development in African American Adolescents: Growth Patterns that Protect in the Context of Stressful Life Events. Professor Enrique Neblett.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Jumi Lee, *Nursing,* Staff Nurse Decisional Involvement in South Korea: The Concept, Measurement and Influence of Nurse Decisional Involvement on Nurse Job Satisfaction, Organizational Commitment and Turnover Intention. Professor Donna Havens.

Eunjee Lee, *Statistics and Operations Research,* Advanced Bayesian Models for High-Dimensional Biomedical Data. Professors Joseph Ibrahim and Hongtu Zhu.

Hsuan-Wei Lee, *Mathematics,* Dynamics and Social Clustering on Co-Evolving Networks. Professor Peter Mucha.

Jane Lim, *English,* Imaginary Translators: The Boundaries of the English Novel, 1763–1818. Professor Laurie Langbauer.

Lin Lin, *Dentistry (Oral Biology),* The Role of BP180 in Granulopoiesis and NLRP3 Inflammasome Activation in Bullous Pemphigoid. Professor Zhi Liu.

John Lovett, *Political Science,* Individual Members of Congress and Policy Change: The Use of Issue Salience as Subsidy. Professor Frank Baumgartner.

Robert Charles Lynall, *Human Movement Science,* Functional Movement Deficits in Relation to Sport-Related Concussion. Professor Jason Mihalik.

Emilie R. Mainz, *Chemistry,* Direct Evaluation of AKT Kinase Activity with Single Cell Resolution: Innovations in the Development of Peptide Reporters for Use with Capillary Electrophoresis. Professors Nancy Allbritton and James Jorgenson.

Michael Malahe, *Mathematics,* PDE Solvers for Hybrid CPU-GPU Architectures. Professor Sorin Mitran.

Arada Malekian, *Physics,* Theory and Phenomenology of Kinetic Mixing at Strong Coupling. Professor Jonathan Heckman.

Ruchita Manghnani, *Economics,* Firms and Technology in International Trade: Analysis of Indian Firms. Professor Patrick Conway.

Lu Mao, *Biostatistics,* Semiparametric Regression of Right- and Interval-Censored Competing Risks Data. Professor Danyu Lin.

Karl Heath Martin, *Biomedical Engineering,* Intravascular Detection of Microvessel Infiltration in Atherosclerotic Plaques: An Intraluminal Extension of Acoustic Angiography. Professor Paul Dayton.

Marsha Denise Massey, *Chemistry,* Reduction of CO2 and CO Mediated by Transition Metal Complexes. Professor Cynthia Schauer.

Timothy C. Mauntel, *Human Movement Science,* The Influence of Lower Extremity Biomechanics on Biochemical Markers of Bone Turnover During Army Cadet Basic Training. Professor Darin Padua.

Robert Olen McDonald, *Communication Studies,* The Prophets of Incentives: The Metastasis of Economic Tropes in Policy and Culture. Professor Christian Lundberg.

Sarah McNamara, *History,* From Picket Lines to Picket Fences: Latinas and the Remaking of the Jim Crow South, 1930–1964. Professors Jacquelyn Hall and Zaragosa Vargas.

Megan Lurae McVea, *Education (School Psychology),* An Exploratory Analysis of the Impact of Sports Programming on the Development of Social Emotional Competencies in At-Risk Elementary School Students. Professor Steven Knotek.

Brian Paul Molesky, *Chemistry,* Elucidation of Chemical Reactions by Two-Dimensional Resonance Raman Spectroscopy. Professor Andrew Moran.

Stephanie Marie Moore, *Chemistry,* Separation and Identification Techniques for Membrane Proteins Using Ultra-High Pressure Liquid Chromatography Coupled to Mass Spectrometry. Professor James Jorgenson.

Dasa Pejchar Mortensen, *History,* The History of Gyalthang Under Chinese Rule: Memory, Identity and Contested Control in a Tibetan Region of Northwest Yunnan. Professor Michael Tsin.

Marta Isabella Mulawa, *Health Behavior,* A Mixed Methods Study of Intimate Partner Violence Among Men in Dar es Salaam, Tanzania. Professor Suzanne Maman.

Giridhar Murlidharan, *Genetics and Molecular Biology,* Biology of AAV Vectors in the Central Nervous System. Professor Aravind Asokan.

Ayumi Nakamura, *Neurobiology,* Molecular Mechanisms in the Developing and Maturing Brain. Professor Mohanish Deshukh.

Jeanine Navarrete, *History,* Cubans Vote Cuban: Local Politics and Latino Identity in Miami, Florida, 1965–1985. Professor Zaragosa Vargas.

Scott D. Neidich, *Nutrition,* Will Influenza Vaccination Protect Obese Adults? Professor Melinda Beck.

L. Lin Ong, *Business Administration,* Essays in Microfinance and Social Network-Driven Marketing at the Base of the Pyramid. Professors Sridhar Balasubramanian and Lisa Jones Christensen.

Huiyin Ouyang, *Statistics and Operations Research,* Prioritization in Service Systems with Nonlinear Delay Costs. Professors Nilay Argon and Serhan Ziya.

Jared William Parrish, *Epidemiology,* Quantifying Methodological Challenges in Population-Representative Child Maltreatment Research Through Novel Data Linkages and Outcome Classification. Professor Stephen Marshall.

Milton Picklesimer, *Psychology,* Towards an Understanding of the Effects of Encoding Variability on Long-Term Memory. Professor Neil Mulligan.

Rebecca Mae Pollet, *Biochemistry and Biophysics,* Structure and Function Studies of Microbial Conjugative DNA Transfer and GI Drug Reactivation Processes. Professor Matthew Redinbo.

Jon D. C. Powell, *History,* Jordan of Giano's Evangelical Vision: The Battle Over the Franciscan Order in the Thirteenth Century. Professor Marcus Bull.

Patrick Snow Powell, *Psychology,* Cognitive Aging in Autism Spectrum Disorder. Professor Mark Klinger.

Mira Irene Pronobis, *Genetics and Molecular Biology,* Looking Inside the WNT/Beta-Catenin Destruction Complex: Mechanisms and the Minimal Machine. Professor Mark Peifer.

Ryan K. Quinn, *Chemistry,* Approaches to Hydrocarbon Functionalization Using Heteroatom-Centered Radicals. Professors Erik Alexanian and Simon Meek.

Vivek Raval, *Business Administration,* Organizational Capital and the Effects of Technology Shocks on the Characteristics of Earnings. Professors Wayne Landsman and Robert Bushman.

Clyde Ray, *Political Science,* John Marshall's Constitutionalism. Professor Michael Lienesch.

Erin Anne Redman, *Chemistry,* Development of a Microfluidic Capillary Electrophoresis-Mass Spectrometry Platform for the Characterization of Bio Therapeutic Proteins. Professor John M. Ramsey.

Benjamin Reed, *History,* Oratorian History in Mexico City, 1659–1821: A Political Culture of Religious Identity. Professor Cynthia Radding.

Lindsay Reid, *Political Science,* Generating a Quality Peace: Negotiated Settlements and Government Respect for Rights in the Wake of Civil War. Professor Mark Crescenzi.

Jeanette Reyes, *Environmental Sciences and Engineering,* Geostatistical Data Fusion Estimation Methods of Ambient PM2.5 and Polycyclic Aromatic Hydrocarbons. Professor Marc Serre.

John Rockland Rhodes, *History,* Agents of Empire: The Frontier U.S. Army and the Transition From the War With Spain to the Occupation of Cuba. Professor Joseph Glatthaar.

Marvin McCray Richardson, *History,* Racial Choices: The Emergence of the Haliwa-Saponi Indian Tribe, 1835–1971. Professor Malinda Maynor Lowery.

Zackary Rider, *Classics,* Caelum Ascendit Ratio: The Divinizing Role of Knowledge in Didactic Poetry from Hesiod to Manilius. Professor James O'Hara.

Andrew Jacob Ringlee, *History,* The Romanovs' Militant Charity: The Red Cross and Public Mobilization for War in Tsarist Russia, 1853–1914. Professor Louise McReynolds.

Amanda Rinkenbaugh, *Pathology,* Roles of the NF-kappaB Pathway in Glioblastoma Stem Cells and Chordoma. Professor Albert Baldwin Jr.

Courtney Colleen Roberts, *Chemistry,* New Classes of Transition Metal N-Heterocyclic Carbon(0) Catalysts for C–C and C–N Bond Forming Reactions. Professor Simon Meek.

William Robin, *Musicology,* A Scene Without a Name: Indie Classical and American New Music in the Twenty-First Century. Professor Mark Katz.

Pasquale Ernestio Rummo, *Nutrition,* Accounting for Bias in Longitudinal Associations Between the Food Environment With Diet and BMI in the CARDIA Study. Professor Penny Gordon-Larsen.

Mehrdad Samadi, *Business Administration,* Intermarket Competition: Evidence From Short Sales. Professors Adam Reed and Eric Ghysels.

Leigh Ann Samsa, *Cell and Molecular Physiology,* Molecular Regulation of Zebrafish Cardiac Maturation. Professor Jiandong Liu.

Stephen Schmidt, *Biomedical Engineering,* Modulation of Network Oscillations by Brain Stimulation. Professor Flavio Frohlich.

Charles Seguin, *Sociology,* Making a National Crime: The Transformation of US Lynching Politics 1883–1930. Professor Kenneth Andrews.

Melissa Martell Senior, *Education (School Psychology),* Characteristics, Experiences and Quality of College Life for Students With Disabilities Registered With the Disability Office on College Campuses. Professor Rune Simeonsson.

Amy Senta, *Education,* Straining Silencing: Youth Film-Making on Schooling's Silencing. Professor George Noblit.

Katherine De Boer Simons, *Classics,* Death and the Female Body in Homer, Vergil and Ovid. Professor Sharon James.

Clifford Omar Simpson, *Education,* A Narrative Inquiry Into the Experiences of High Achieving Black Males at a Prominent Predominantly White Institution in the South. Professor George Noblit.

Richard Skarbez, *Computer Science,* Plausibility Illusion in Virtual Environments. Professors Mary Whitton and Frederick Brooks.

Robert Hamilton Smithson, Philosophy, Paradise Regained: Naive Semantics and Regulative Metaphysics. Professor Thomas Hofweber.

Jessica Marie Solis, *Psychology,* The Intergenerational Transmission of a Stress-Coping Model of Alcohol Use and Disorder. Professor Andrea Hussong.

Lindsay Rebecca Starck, *Comparative Literature,* News That Stays News: Transformations of Literature, Gossip and Community in Modernity. Professors Gregory Flaxman and Erin Carlston.

Jonathan A. Susser, *Psychology,* Predicting Prospective Memory: Metacognitive Sensitivity at Encoding. Professor Neil Mulligan.

Tamara Lynee Taggart, *Health Behavior,* Religiosity, Racial Identity and Sexual Initiation Among Black American Adolescents. Professor Eugenia Eng.

Ran Tao, *Biostatistics,* Designs and Analysis of Two-Phase Studies With Applications to Genetic Association Studies. Professors Danyu Lin and Donglin Zeng.

Kyla Taylor, *Epidemiology,* Associations Between Personal Care Product Use Patterns and Breast Cancer Risk in the Sister Study. Professors Melissa Troester and Donna Baird.

Teryl Paul Taylor, *Computer Science,* Using Context to Improve Network-Based Exploit Kit Detection. Professor Fabian Monrose.

Sebastian Jose Teran Hidalgo, *Biostatistics,* Applications of Independence Statistics to Goodness-of-Fit, Multivariate Change Point Estimation and Clustering of Variables. Professors Michael Kosorok and Michael Wu.

Stanley Thayne, *Religious Studies,* The Blood of Father Lehi: Indigenous Americans and the Book of Mormon. Professor Laurie Maffly-Kipp.

Leif Christian Tornquist, *Religious Studies,* Propagating the Divine: Protestant Modernism and the Rise of Anglo-American Eugenics. Professor Yaakov Ariel.

James Trimble, *Physics,* Low-Background Germanium Radioassay for the Majorana Collaboration. Professor Reyco Henning.

C. Erik Vergel-Tovar, *City and Regional Planning,* Examining the Reciprocal Relationship Between Bus Rapid Transit and the Built Environment in Latin America. Professor Daniel Rodriguez.

Jared Vicory, *Computer Science,* Shape Deformation Statistics and Regional Texture-Based Appearance Models for Segmentation. Professor Stephen Pizer.

Adrienne Villagomez, *Education (School Psychology),* Self-Determination in Adolescents and Adults with Fragile X Syndrome: The Relationship Between Self-Report, Parent Perceptions and Individual Characteristics. Professor Barbara Wasik.

Kevin Watt, *Pharmaceutical Sciences,* Physiologically Based Pharmacokinetics in Critically Ill Children. Professors Kim Brouwer and Dhiren Thakker

Allison Beth Weinstein, *Education (School Psychology),* Developmental Perceptions of Well-Being of Female Adolescents in Kenya: Life Experiences and Relationships With Psychological Measures. Professors Steve Knotek and Rune Simeonsson.

Amber L. Wells, *Sociology,* Inequality at Work: Socio-Demographic Disparities in the Careers of Library and Information Science Graduates. Professor Francois Nielsen.

Miranda E. Welsh, *Ecology,* Trait-Based Variation in Host Contribution to Pathogen Transmission. Professor Charles Mitchell.

Walter Jose Wever, *Pharmaceutical Sciences,* Studies Towards the Chemoenzymatic Syntheses of Thiopeptides and Thiomarinol and Visible Light Catalyzed O-Glycosylation of Thioglycosides. Professor Scott Singleton.

Peter Alan Wilfahrt, *Ecology,* From Old Fields to Forests: Understanding Plant Successional Dynamics Through the Lens of Functional Traits. Professor Peter White.

Cortney Chelise Winkle, *Neurobiology,* Staying Trim: How Trim9 Constrains Neuronal Cell Morphology to Regulate Connectivity. Professor Stephanie Gupton.

Ruoyu Wu, *Statistics and Operations Research,* Some Asymptotic Results for Weakly Interacting Particle Systems. Professor Amarjit Budhiraja.

Yi Xu, *Computer Science,* Toward Robust Video Event Detection and Retrieval Under Adversarial Constraints. Professors Jan-Michael Frahm and Fabian Monrose.

Audra Jo Yoder, *History,* Tea Time in Romanov Russia: A Cultural History, 1616–1917. Professor Louise McReynolds.

Mary Ann Zeller, *Chemistry,* Application of Organic Photoredox Catalysis in New Reaction Methodology: Synthesis of Butyrolactones via Polar Radical Crossover Cycloaddition and Hydrodecarboxylation of Carboxylic Acids. Professor David Nicewicz.

DOCTOR OF EDUCATION

Martinette Venable Horner, *Education (Curriculum and Instruction),* Principals as Instructional Leaders in Targeted Reading Intervention Schools. Professor Kathleen Brown.

DOCTOR OF NURSING PRACTICE

Usha Koshy Cherian, *Nursing,* Impact of Meaningful Recognition on Nurses' Work Environment in ICU: A Comparative Exploration of Nurse Leaders' and Staff Nurses' Perception. Professor Gwen Sherwood.

Megan Grace Wildes, *Nursing,* A Community of Practice Focused on Resiliency in Graduate Nursing Students. Professor Carol Durham.

DOCTOR OF PUBLIC HEALTH

Kenneth D. Coburn, *Health Policy and Management,* Search for a Practical Strategy to Disseminate Models of Advanced Preventive Care That Improve the Health of Chronically Ill Older Adults. Professor Sandra Greene.

Anna Deryabina, *Health Policy and Management,* An Assessment of Needle-Syringe Program for People Who Inject Drugs in the Kyrgyz Republic. Professor Sandra Greene.

Mary Whitney Fry, *Health Policy and Management,* Promoting Positive Male Gender Socialization Among Migrant Male Youth Living in Kakuma Refugee Camp, Kenya: Applying Appreciative Inquiry to Gender-Based Violence Prevention Efforts. Professor Stephanie Wheeler.

Karen Ho, *Health Policy and Management,* Health Care Services Utilization Among Native Hawaiians and Pacific Islanders: The Effect of Health Beliefs and Enabling Resources. Professor Suzanne Babich.

GRADUATE DEGREES

December 2016 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

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DOCTOR OF PHILOSOPHY

Brice Douglas Acree, *Political Science,* Deep Learning and Ideological Rhetoric. Professor James Stimson.

Huda Salim Al Noumani, *Nursing,* Health Beliefs and Antihypertensive Medication Adherence in Oman. Professor Jia-Rong Wu.

Daniel Laurence Albaugh, *Neurobiology,* Functional Connectivity of the Rodent Striatum. Professor Yen-Yu Ian Shih.

Manuchehr Ali Aminian, *Mathematics,* The Role of Cross Sectional Geometry in the Passive Tracer Problem. Professors Roberto Camassa and Richard McLaughlin.

Penny Marie Anders, *Microbiology and Immunology,* Modulation of Signal Transduction and Transformation by Kaposi's Sarcoma-Associated Herpesvirus. Professor Blossom Damania.

Samuel Barrer Anderson, *Chemistry,* Exploring the Design and Synthesis of Conjugated Materials for Applications in Organic Electronics. Professor Wei You.

Ryan Annis, *Neurobiology,* Restriction of Apoptosis in Mature Neurons by Multiple Redundant Brakes. Professor Benjamin Philpot.

Nicole Marie Baker, *Pharmacology,* Evaluating the Therapeutic Potential of the PAK1 and TBK1 Kinases in Pancreatic Ductal Adenocarcinoma. Professor Channing J. Der.

Molly Leeanna Barnes, *Musicology,* The Rhetoric of Democracy in American Musical Discourse, 1842–1861. Professor Mark E. Bonds.

Ross James Beattie, *Chemistry,* Reactions of Alkyne and Nitrile Ligands in Tungsten (II) Complexes. Professors Joseph L. Templeton and Alexander Miller.

Nadya Maria Belenky, *Epidemiology,* Effects of Medicare Part D on Medicaid-Medicare Dual Eligibles with HIV. Professor Brian Pence.

Habtamu Kassa Benecha, Biostatistics, Marginally Specified Mean Models for Counts With Mixture Distributions. Professor John Preisser.

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Katie Stallard Bolling, *Genetics and Molecular Biology,* Regulation of H2B Monoubiquitylation by RNP Recycling Protein Prp24. Professors Arnold G. Matera and Brian D. Strahl.

Daria Bozzato, *Romance Languages and Literatures,* "L'Invisibile al di là Degli Spessori": Esoterismo ed Occultismo Nel Futurismo Italiano. Professor Federico Luisetti.

Michelle Brodeur, *Marine Sciences,* Interspecific Competition and Predation Control Euhaline Oyster Reef Development. Professor F. Joel Fodrie.

Andre L. Brown, *Health Behavior,* Opportunity Matters: A Mixed-Methods Study of Socioeconomic Standing, Masculinity and Concurrency Among Black Men. Professor Wizdom Powell.

Kristen Nichole Brugh, *Maternal and Child Health,* Impacts of an Unconditional Cash Transfer on Household Food and Nutrition Security and Child Health Outcomes in Malawi. Professor Gustavo Angeles.

Joseph D. Bryan, *History,* Dazzled, Blinded and Numb: The Body and Society in Eighteenth-Century France. Professor Jay Smith.

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Orisanmi Burton, *Anthropology,* Attica Is: Revolutionary Consciousness, Counterinsurgency and the Deferred Abolition of New York State Prisons. Professor Charles R. Price.

Jennie Lauren Butler, *Nutrition,* Understanding Associations of Alcoholic Beverage Consumption With Weight Status. Professor Barry M. Popkin.

Emily Lynn Butler, *Biostatistics,* Using Patient Preferences to Estimate Optimal Treatment Strategies for Competing Outcomes. Professor Michael R. Kosorok.

Jabari Calliste, *Materials Science,* A New Stationary Digital Breast Tomosynthesis System: Implementation and Characterization. Professors Otto Zhou and Jianping Lu.

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Alexandra M. Chassanoff, *Information and Library Science,* Historians' Experiences Using Digitized Archival Photographs as Evidence. Professor Christopher Lee.

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Leslie E. Cofie, *Health Behavior,* A Mixed Methods Study of Social Network Characteristics and Health Facility Delivery Among Women in Rural Ghana. Professor Clare Barrington.

Jason Robert Combs, *Religious Studies,* Epiphanies in Second- and Third-Century Christian Literature: Discourse, Identity and Divine Manifestations. Professor Bart D. Ehrman.

Mark Damron Constantine, *Education,* Education and Philanthropy in the American South: A Case History of the Danville Regional Foundation's Investment in Smart Beginnings. Professor Fenwick English.

Elizabeth Anne Cromwell, *Epidemiology,* Aedes Aegypti Density and Risk of Dengue Virus Seroconversion. Professor Steven Meshnick.

Monica D'Arcy, *Epidemiology,* Exploring the Association Between Antidepressants and Colorectal Cancer in Administrative Data: Negative Controls, Active Comparators and Algorithms. Professors Jennifer L. Lund and Til Surmer.

Nadia Kathryn Dawisha, *Communication Studies,* The Fashion Industry as a Slippery Discursive Site: Tracing the Lines of the Flight Between Problem and Intervention. Professor Patricia Parker.

Fei Dong, *Nutrition,* Intra-Familial Concordance in Lifestyle Behaviors and Cardiometabolic Risk in Rapidly Modernizing China. Professor Penny Gordon-Larsen.

Pawinee Doung-Ngern, *Epidemiology,* Epidemiology of Q Fever Among Dairy Cattle Farms and Farmers, Chiang Mai, Thailand, 2015. Professor Steven Meshnick.

Julia Louise Malik Dunn, *Microbiology and Immunology,* Modulating Innate Immunity Improves Outcomes in Acute Lung Injury. Professor Bruce Cairns.

Todd Alexander Durham, *Health Policy and Management,* Can Novel Competing Risks Prediction Models Improve Population Health in Adults With Newly Diagnosed Atrial Fibrillation? Professor Kristen Hassmiller Lich.

Margaret Esch, *Ecology,* Investigating Tidal Inundation, Pore Water Seepage, and Groundwater Flow Within a Salt Marsh of the Florida Gulf Coast. Professor Jaye Cable.

Meredith A. Farmer, *English and Comparative Literature,* Melville's Ontology. Professors Jessica Wolfe and Timothy Marr.

Phylicia Fitzpatrick Fleming, *School Psychology,* Out-of-Home Placement and Educational Well-Being of Black Adolescents: An Examination of School Engagement and Special Education Involvement. Professor Rune J. Simeonsson.

Melissa Ann Fraser, *Human Movement Science,* The Associations Between Sport-Related Concussion, Head Impact Biomechanics and Emotion Dysregulation in High School Athletes. Professor Kevin M. Guskiewicz.

Melissa Furlong, *Epidemiology,* Prenatal Exposure to Organophosphorus Pesticides and Childhood Neurodevelopmental Phenotypes. Professor Stephanie Engel.

Daniel Fitzgerald Giblin, *History,* Digging for Victory: Mobilization of Civilian Labor for the Battle of Kursk, 1943. Professor Donald Raleigh.

Justin Miller Godinho, *Chemistry,* Packing and Characterization of Capillary Columns for Ultrahigh-Pressure Liquid Chromatography. Professor James Jorgenson.

Morgan McFarland Goheen, *Microbiology and Immunology,* Iron Deficiency Anemia and the Pathogenesis of Falciparum Malaria. Professors Kristina De Paris and Carla Cerami.

Ardeshir Goliaei, *Biochemistry and Biophysics,* Poration of Biological Membranes by Antimicrobial Peptides and Pressure, Insights from Computer Simulations. Professor Max Berkowitz.

Agnieszka Grabon, *Cell and Developmental Biology,* Atomistic and Cellular Analysis of Start Phosphatidylinositol Transfer Proteins in the Context of the Phospholipid Extraction Mechanism and Phosphoinositide Signaling in the Parasite Toxoplasma. Professor Vytas A. Bankaitis.

Willie James Griffin, *History,* Courier of Crisis, Messenger of Hope: Trezzvant W. Anderson and the Black Freedom Struggle for Economic Justice. Professors Jerma Jackson and James Leloudis.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Laura Maria Gutierrez Escobar, *Anthropology,* The Political Ontology of Seeds: Seed Sovereignty Struggles in an Indigenous Resguardo in Colombia. Professor Arturo Escobar.

Christopher Daniel Higgins, *Biology,* Investigating Molecular Mechanisms Underlying Morphogenetic Cell Shape Change. Professor Bob Goldstein.

Mary Kathleen Higgins Neyland, *Psychology,* Culturally Specific Factors Associated With Eating Disorder Pathology, Treatment, and Identification Among Latinas. Professor Anna Bardone-Cone.

Natalie Starr Holman, *Toxicology,* Investigating the Role of Hepatocyte-Derived Exosomes in Drug-Induced Liver Injury. Professors Edward LeCluyse and Paul Watkins.

James Matthew Holt, *Computer Science,* Using the Multi-String Burrow-Wheeler Transform for High-Throughput Sequence Analysis. Professor Leonard McMillan.

Matthew R. Hotham, *Religious Studies,* Seeing God With Both Eyes: Asceticism, Ascension and Poetry in the Makhzan Al-Asrar of Nizami Ganjavi (D. 1209). Professor Carl W. Ernst.

Katelyn Rose Houston, *Chemistry,* Functional Polyesters for Biomedical and Industrial Applications. Professors Wei You and Valerie Ashby.

Julianne Huang, *Chemistry,* Short Palate Lung and Nasal Epithelium 1 and Airway Disease. Professors Matthew Redinbo and Stephen L. Tilley.

Jane Moore Hughes, *Social Work,* Sleep Problems in United States Military Veterans. Professor Matthew Howard.

David Irvin, *Genetics and Molecular Biology,* Astrocytes and Their Response to Pathology. Professor Timothy Gershon.

Yuhang Jiang, *Pharmaceutical Sciences,* Block Ionomer Complex Formulations for In Vivo Protein Delivery. Professor Alexander Kabanov.

Minjeong Jo, *Nursing,* Perceived Quality of Communication with ICU Physicians and Nurses and Its Relationship to Symptoms of Anxiety, Depression and Stress Among Family Members of Chronically Critically Ill Patients in Korea. Professor Mi-Kyung Song.

Catherine L. Jo, *Health Behavior,* The Effect of E-Cigarette Print Advertisements on Smoking Cessation. Professor Kurt M. Ribisl.

Khalilah Robinson Johnson, *Occupational Science,* Daily Life Participation in a Residential Facility for Adults with Intellectual Disabilities: An Institutional Ethnography. Professor Nancy Bagatell.

Shawn Christopher Tracey Jones, *Psychology,* Doing the Best We Can. Black Parenting Couples' Discussions of the Racial Socialization Process: A Mixed-Methods Analysis. Professor Enrique W. Neblett.

Panitan Jutaporn, *Environmental Sciences and Engineering,* Relationship Between Organic Fouling of Polyvinylidene Fluoride (PVDF) Ultrafiltration (UF) Membranes and the Fluorescence Signature of Dissolved Organic Matter in Raw and Pretreated Feed Waters. Professor Orlando Coronell.

Christine Seul Ki Kim, *Oral Biology,* Short Palate Lung and Nasal Epithelium Clone 1 Dissociates and Endocytoses the Epithelial Sodium Channel. Professors Robert Tarran and Roland Arnold.

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Pavel Krajcevski, *Computer Science,* Improved Encoding For Compressed Textures. Professor Dinesh Manocha.

Laura Elizabeth Kurtz, *Psychology,* An Empirical Examination of 'Love at First Sight': The Effect of Similarity in Attractiveness on Automatic Mate Selection Behaviors. Professor Sarah Algoe.

Anne-Marie Ladouceur, *Biology,* Molecular Mechanisms Regulating Chromosome Size Scaling During C. Elegans Early Embryonic Development. Professor Paul S. Maddox.

Katherine Diana Lavoie, *Chemistry,* Investigations into Pt-C Multiple Bonds With Spectator Scorpionate Ligands. Professor Joseph L. Templeton.

Helen Hye Eun Lee, *English and Comparative Literature,* Imprisoned Voices: Rhetorics of Community in Prison Writings. Professor Jane Danielewicz.

Yin Li, *Nursing,* A Human Capital Approach to Examining Primary Care Nurses' Contributions to Primary Care and Their Economics Returns. Professor Cheryl Jones.

Brandon M. Linz, *Microbiology and Immunology,* Cellular Mechanisms of Immune and Hematopoietic Dysfunction Following Radiation and Burn Injuries. Professors Bruce Cairns and Edward Miao.

Hexuan Liu, *Sociology,* Integration of Sociology With Genomic Data in Studies of Social Stratification and Delinquency. Professor Guang Guo.

Wei Liu, *Computer Science,* Localizing Objects Fast and Accurately. Professors Alexander Berg and Tamara Berg.

Lara Mary Joann Lorenzetti, *Health Policy and Management,* Microfinance, Health and Empowerment: Evaluating the Effect of an Integrated Intervention on Client Revenue and Profit in Benin. Professor Bruce Fried.

Daniel Lupu, *Nutrition,* One-Carbon Metabolism and Hepatocellular Carcinoma. Professor Steven Zeisel.

Susan Michelle Lyons, *Biology,* Behavioral and Monoaminergic Responses to the Social Environment Throughout the Life of a Songbird (Melospiza lincolnii). Professor Keith W. Sockman.

Fatima Manzoor, *Microbiology and Immunology,* Tissue-Specific Cytokine-Based Immunotherapy to Treat Type 1 Diabetes. Professor Roland M. Tisch.

Brian Davis McCarthy, *Chemistry,* Assessing Non-Aqueous Proton-Coupled Electron Transfer Reactions Through Electrochemical Methods. Professor Jillian Dempsey.

Stephen Lee McDaniel, *Genetics and Molecular Biology,* Expanding the Function of Histone H3 Lysine 36 Methylation in Saccharomyces Cerevisiae. Professor Brian Strahl.

Jared Thomas McGuirt, *Nutrition,* Formative Evaluation of a Food Access Enhanced Nutrition Education Program. Professor Alice Ammerman.

Theresa McKim, *Psychology,* Neurocognitive Investigations of Habitual Behavior Modification. Professor Charlotte A. Boettiger.

Charles Miller, *Genetics and Molecular Biology,* Investigating Pre-Mating and Post-Mating Reproductive Isolation in Drosophila. Professor Daniel Matute.

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Kathleen Mulvaney, *Cell and Developmental Biology,* Proteomic Dissection of KEAP1/NRF2 Signaling to Determine New Pathway Interactors in Cancer. Professor Michael B. Major.

Angela Patricia Murillo, *Information and Library Science,* Data Sharing and Data Reuse: An Investigation of Descriptive Information Facilitators and Inhibitors. Professor Jane Greenberg.

Sarah Nahm, *Maternal and Child Health,* Maternal Adherence to a Mediterranean Diet During Pregnancy, Infant DNA Methylation at Birth and Weight Gain in Infancy. Professor Diane Rowley.

Jessica E. Nesmith, *Genetics and Molecular Biology,* Investigation of FLT1 and VEGF Signaling in Connections During Developmental Sprouting Angiogenesis. Professor Bob Goldstein.

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Marcela Veronica Parada Contzen, *Economics,* Individual Risk Aversion Through the Life Cycle. Professor Donna Gilleskie.

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Elizabeth Piccard Reischmann, *Geological Sciences,* Self-Organization of the Climate System: Synchronized Polar and Oceanic Teleconnections. Professor Jose Rial.

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Andrew B. Satterlee, *Biomedical Engineering,* Applications for a Radio-Theranostic Nanoparticle With High Specific Drug Loading. Professor Paul A. Dayton.

Allison Kate Hamer Schlobohm, *Communication Studies,* Preventing HIV by Creating SISTA Strength: An Analysis of One U.S.-Sponsored Intervention Into Black Women's Health. Professor Erik K. Watts.

Lekha Shupeck, *History,* Patrocinium Orbis Terrace: Principles of Roman Foreign Relations to the Fall of Carthage. Professor Richard Talbert.

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Jason A.Staples, *Religious Studies,* Reconstructing Israel: Restoration Eschatology in Early Judaism and Paul's Gentile Mission. Professor Bart D. Ehrman.

Jacob I. Stuckey, *Pharmaceutical Sciences,* Design and Characterization of Chemical Probes Targeting the Chromodomains of Polycomb Repressive Complex I. Professor Stephen Frye.

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Dennis Tarasi, *Ecology,* Community Interactions and Impacts of Exotic Plant Species in the Southeastern United States. Professor Robert K. Peet.

Katherine R. Tech, *Biomedical Engineering,* The Intersection Between Aerobic Glycolysis, Cerebellar Neurogenesis, and Medulloblastoma. Professor Jeffrey Macdonald.

David Ticehurst, *Physics,* An Investigation of Proton Pair Correlations Relevant to the Neutrinoless Double Beta Decay of 76Ge. Professors Calvin Howell and Arthur Champagne.

Sarah Emily Tomkovich, *Microbiology and Immunology,* The Interplay Between Inflammation and Microbial Activities in Colorectal Cancer. Professor Christian Jobin.

Perry Meng-che Tsai, *Microbiology and Immunology,* Investigation of HIV Cure Strategies In Vivo in BLT Humanized Mice. Professors J. Victor Garcia-Martinez and Kristina De Paris.

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Melanie April Ungar, *German Studies,* Gender and Humor in German Literature of the Fin de Siècle. Professor Eric Downing.

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Sirion Vittayakorn, *Computer Science,* Visual Attribute Discovery and Analyses From Web-Data. Professor Tamara L. Berg.

Andrew Giles Walden, Chemistry, Oxidative Electrochemistry of Molecular Catalysts. Professor Alexander J. M. Miller.

Dana M. Walsh, *Toxicology,* The Airway Microbiome After Burn and Inhalation Injury, Professors David Diaz-Sanchez and Ilona Jaspers.

Lindsay Walton, *Chemistry,* Developing Methodologies to Explore Neurovascular Coupling on a Micron Scale. Professors R. Mark Wightman and James Jorgenson.

Yanqian Wang, *Physics,* Manipulation of Single DNA Molecules Through Nano-Fluidic Devices: Simulation and Theory. Professor Sean Washburn.

Yilin Wang, *Computer Science,* Efficient Techniques for High Resolution Stereo. Professors Jan-Michael Frahm and Enrique Dunn.

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Kevin Wierman, *Physics,* Studies of Charge Accumulation in the KATRIN Main Spectrometer. Professor John Wilkerson.

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Kenton Tyler Woodard, *Neurobiology,* Evaluation of Adeno-Associated Virus Trafficking and Transduction in the Retina. Professor R. Jude Samulski.

Stephanie Anne Wright, *Education,* Exploring the Mathematical Identities of Successful Latino High School Students. Professor George Noblit.

Angela Yang, *Pharmaceutical Sciences,* Exploring and Harnessing PEG-Immune System Interactions to Engineer Targeted Stealth Nanoparticles. Professor Samuel K. Lai.

Xiao Yang, *Geological Sciences,* Phase Synchronization Between Polar Climates: Its Identification, Evolution and Connection to the Abrupt Warming Events of the Last Glacial Period. Professor Jose Rial.

Dongqing Yu, *Statistics and Operations Research,* Data-Driven Quality of Service Improvements in Hospitals. Professors Haipeng Shen and Serhan Ziya.

Zhixian Yu, *Genetics and Molecular Biology,* Excess Centrosomes in Endothelial Cells: Causes and Effects. Professors Victoria Bautch and Jean Cook.

Grzegorz Zapotoczny, *Genetics and Molecular Biology,* Contribution of DNA Helicases to Genome Stability. Professor Jeff Sekelsky.

Yu Zhang, *Statistics and Operations Research,* Index Policies for Patient Scheduling and ATM Replenishment. Professor Vidyadhar Kulkarni.

Wenze Zhong, *Nutrition,* Understanding Hypoglycemia from Population, Individual and Behavioral Perspectives. Professor Elizabeth Mayer-Davis.

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DOCTOR OF NURSING PRACTICE

Carolina Dimsdale, *Nursing Practice,* A Needs Assessment to Address Family Presence During Resuscitation. Professor Meg Zomorodi.

DOCTOR OF PUBLIC HEALTH

John Bainbridge, *Biostatistics,* Modeling the Diffusion of Sentinel Lymph Node Biopsy in Breast Cancer Treatment. Professors Pranab Sen and Chirayath Suchindran.

Stacy-Ann Christian, *Health Policy and Management,* Lessons From the Implementation of the Jamaican 2007 Hypertension Programme. Professor John E. Paul.

Tyonne Dawnte Hinson, *Health Policy and Management,* Perceptions of the Facilitators and Barriers of Breastfeeding Initiation: Increasing Initiation Through a Tailored, Multi-Level Intervention Approach for African American Mothers and the Community. Professor Asheley Skinner.

Wei Xue, *Biostatistics,* Genetic Association Analysis on Secondary Phenotypes and Group Conditional Variable Importance in OPPERA Study. Professor Eric Bair.

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during today's Doctoral Hooding ceremony.

DEGREE CANDIDATES' REGALIA. The hooded doctoral gown features three bars across each sleeve. The doctoral gown for Carolina graduates is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning. The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina. Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study.

The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

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of NORTH CAROLINA
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2017 COMMENCEMENT

SUNDAY

May 14th

TWO THOUSAND SEVENTEEN

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

2017
COMMENCEMENT

Sunday, May Fourteenth • Two Thousand Seventeen

C378
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MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel Graduation. I almost feel like this is my graduation because so many of you and I arrived at Carolina at the same time. We have shared an arc of discovery and personal growth. Today, we celebrate all you've accomplished and we anticipate great things in the future as you join generations of Carolina graduates changing the world.

I have watched how our faculty fired up your imaginations as you studied in classrooms and worked in labs. I witnessed your compassion and caring for others as you served on campus and in communities near and far. You have demonstrated that you have what it takes to be America's greatest innovation generation yet. Class of 2017, you make me feel proud and optimistic about the future.

You will not be alone as you leave campus and begin journeys across our nation and the world. You have built Carolina-family personal connections that will serve you well as you embark on your impactful careers.

To our Carolina family members and friends, I thank you for sharing your student with us. Today we celebrate their graduation and the incredible support and encouragement you provided along their journey to this special moment.

Congratulations, graduates! We look forward to learning about your accomplishments in the years ahead. Welcome to the ranks of alumni of the University of North Carolina at Chapel Hill.

Carol L. Folt

CAROL L. FOLT

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ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

The Commencement ceremony will be captioned on the video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Diplomas for undergraduate, master of science and master of arts degrees will be printed after Commencement and mailed to graduates. Graduates with professional, doctoral and master's degrees that contain an area of study in the degree, such as Master of Accounting, may receive their diplomas in a special departmental or school ceremony. Or they may pick up a diploma from the Office of the Registrar in the Student and Academic Services Building North from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Registrar's Office through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Terry Rhodes, *Professor and Senior Associate Dean for Fine Arts and Humanities* Class of 2018 Officers The Chancellor's Cabinet Representatives of the Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health The Candidates for Master's and Professional Degrees The Candidates for Baccalaureate Degrees Fiftieth Reunion Participants The Official Party STUDENT MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
Presentation of the Colors	Cadets and Midshipmen of the Air Force, Army and Navy Reserve Officers Training Corps, *The University of North Carolina at Chapel Hill*
National Anthem	Shafali Jalota, *Robertson Scholar, Bachelor of Music*
Recognition of the Platform Party	Carol L. Folt, *Chancellor*
Welcome	For the Board of Governors of The University of North Carolina Hannah Gage *Presentation of the UNC Board of Governors' Award for Excellence in Teaching—* Jane F. Thrailkill, *Bowman and Gordon Gray Distinguished Term Associate Professor, Department of English and Comparative Literature* For the Board of Trustees of The University of North Carolina at Chapel Hill Dwight Stone, *Chair* For the General Alumni Association Teresa Williams, *Chair of the Board of Directors*
Readings of Citations for Honorary Degrees	Vincas P. Steponaitis, *Professor of Archaeology and Anthropology and Secretary of the Faculty*
Commencement Address	Brooke Baldwin, *Class of 2001, CNN News Anchor*
Introduction of the Deans and Conferring of Degrees	Carol L. Folt, *Chancellor*
Ceremonial Recognition of the Graduates	Elizabeth Grady, *President of the Class of 2017* Rich Burris, *Vice President of the Class of 2017*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Carolina In My Mind	The Clef Hangers
Hark the Sound	Harmonyx
Recessional	

Officers of the Class of 2017

Elizabeth Sarah Grady, *President*
James Richardson Burris, *Vice President*
Alexandra Key Polk, *Chief Marshal*
Kylie Apple, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Officers of the Class of 2018

Karli Elizabeth Krasnipol, *President*
Aaron Eric Epps, *Vice President*
Kylie Apple, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Marshals of the Class of 2017

Ranjitha Ananthan
Winston Arthur Bell
Amoya Christa'-ellen Bennett
Maribeth Blonchek
Townes Bourchard-Dean
Shavonne Renee Breeden
Aitza Briauna Burgess
Vanessa Canuto
Mary Kinsman (MacKinsey) Cole
Phylicia Jasmin Currence
James Herbert Domenic Davis
Pooja Jitendra Deva
Daniel Marcelo Farfan
Abigail Patience Gay
Genet Fana Girmay
Connor Kyle Goggin
Megan Elisabeth Hardy
Adrienne Marlo Kronovet
Elizabeth Lane
Michael Abraham Lewis
Sydney Rowan Mark
Allison Jesse Martin
Tamera Ja'quel McLeod
Anne-Marie Mills
May Elizabeth Montague
Treesa Ouseph
Abigail Spencer Parlier
Alexander Pritts
Grant Alexander Purcell
Madeline Brooke Reich
Caitlin Anne Rose
Katherine Ellis Ross
Shiva Michael Sethi
Robert Tennyson Stewart
Sunshine Cristini Tsosie
Jason Urbano
Saisanjana Vattigunta

Marshals of the Class of 2018

Yonel W. Admasu
Shaily N. Aghera
Jessica Tiffany Amberg
Catherine Michelle Armstrong
Arefa Bacchus
Cierra Alexandria Baldwin
Andrea Jacqueline Barnes
Cassidy Alexandra Beegle-Jackson
Morgan Elizabeth Bizzell
Jacob Taylor Blount
Christiana Louise Boals
Travis Benjamin Broadhurst
Kelly Patricia Campbell
Katherine Frances Cayton
Alexandra Julienne Celetti
Stevie Anissa Danielle Coleman
Abigail Deberry
Eliza Margaret Duckworth
Samantha Inez Espada
Desirae Delgado Fewell
Brian Michael Fields
Joia Michelle Freeman
Ryan Chandler Fuller
D'Angelo Gatewood
Shawn Patrick Hines
Morgan Symone Howard
Elizabeth Kadic Hulme
Nupur Jain
Jacob L. Kerns
Sarah Leck
Tierra Monique Marsh
Adam Michael Miller
McNair Hardison Mitchener
Erin Kelly Naziri
JaBria Chauntel Owens
Madison Ann Pleasants
Gianna Nicole Quilici
Mel'leeah S. Robinson
Sonam Kamlesh Shah
Cassidy Grace Slater
Charles Devine Smith IV
Michael Andrew Tommer
Aliya E. Tucker
Marissa Brianna Varnadore
Myra Waheed
Ashley Chanel Westbrook
Gabrielle Celeste Whiten
Elizabeth Lawson Wright

Graduate and Professional Student Federation Officers, 2016–2017

G. Dylan Russell, *President*
Brian Coussens, *Vice President for Internal Affairs*
Anel Jaramillo, *Vice President for External Affairs*
Anginelle Alabanza, *Chief of Staff*
Marie Eszenyi, *Treasurer*
Madelyn Percy, *Secretary*

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Kelly Matthews Hopkins
Charlotte, N.C.

William A. Keyes IV
McLean, Va.

Allie Ray McCullen
Clinton, N.C.

William E. McMahan
Charlotte, N.C.

Hari H. Nath
Cary, N.C.

Bradley Opere
EX-OFFICIO
Chapel Hill, N.C.

CAROL L. FOLT

Chancellor

When Carol L. Folt became Carolina's 11th chancellor, and 29th in the lineage of leaders that dates back to Carolina's founding, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt – an internationally recognized life scientist, award-winning teacher and accomplished academic leader – has worked to fulfill that honorable charge by placing Carolina's students at the center, advancing the University's academic excellence, championing Carolina as a leading global public research university and focusing on innovation through the development of new avenues for entrepreneurship that are translating world-class ideas into real-world applications.

Carolina, which routinely ranks among the nation's top public universities and is noted as one of the best values in college education, welcomed its largest and most academically accomplished class this past fall. Once again selected from a record pool of applicants, 17 percent of the Class of 2020 are the first in their family to attend a four-year institution of higher education, and the number of active duty and veterans of military service on campus is the highest since World War II. Carolina is one of the nation's top ten research universities and ranks 8th in the nation for federal research funding. In the last couple of years, the University has reached nearly $1 billion in annual research expenditures.

Under the chancellor's leadership, Carolina has also continued to improve on the school's winning track record of undergraduate diversity, retention and graduation rates – particularly for low-income, first-generation and underrepresented students – while moving forward with additional emphasis on Carolina's historic commitment to ensuring affordability together with accessibility and excellence. Carolina is one of the few public universities that remains both need-blind and covers the full financial need of its students. Carolina is the least expensive of 14 peer public universities. Its debt-per-student has remained nearly flat in inflation-adjusted dollars for more than a decade.

As leader of North Carolina's flagship public university, Folt and her leadership team champion attracting, developing and retaining world-class faculty that are focused on excellence in teaching and research. Carolina's faculty lead by doing, and each day they share their knowledge and excitement with the next generation who will face a rapidly evolving future as they embark upon impactful careers, many in fields that don't exist today. Carolina is committed to benefiting its local and state communities and to cultivating the global outlook of its students. More than a third of Carolina undergraduate students study abroad – one of highest rates among public universities.

Folt believes a key mission of the chancellor is to broadly share stories about student and faculty excellence, demonstrating Carolina's value to the state and commitment to the future. An enthusiastic presence in classrooms and at campus events and athletic competitions, Folt brings students and faculty to every meeting of Carolina's Board of Trustees to discuss ground-breaking research and academic accomplishments. She initiated significant investments in the communications team to tell stories to new audiences across the state, nation and world.

Folt, a widely respected scientist, came to Carolina from Dartmouth College, where she was interim president in 2012–2013. She served as a faculty member in the Department of Biological Sciences and was an academic leader. Folt and her students' pioneering work on the effects of dietary mercury and arsenic on human and ecosystem health led to numerous changes in national and global policy and consumption advisories around the world. Folt graduated from the University of California, Santa Barbara, earning both a bachelor's degree in aquatic biology and a master's degree in biology. She received her doctorate from the University of California, Davis, and undertook a postdoctoral fellowship at Michigan State University before joining the faculty at Dartmouth.

When asked about the future, Folt said that while so much has been accomplished at the nation's first public university, the best is yet to come. She then smiled and said, "I know this because I witness it on campus every day. The future is studying in our classrooms, working in our labs and serving our communities right now. I couldn't be more proud and optimistic."

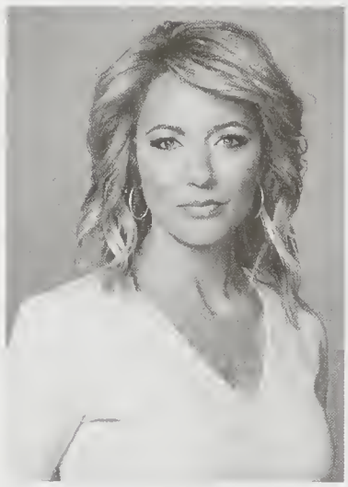
Follow @ChancellorFolt on Twitter

WHAT'S HAPPENING AT UNC

- In 2015, Dr. Aziz Sancar received the Nobel Prize for Chemistry, joining another faculty member, Dr. Oliver Smithies, who won the Nobel Prize in Physiology or Medicine in 2007. Dr. Smithies passed away at 91 in January 2017. As Chancellor Folt noted, "Oliver Smithies was such a loving, wonderful force for all things good in this world."
- The University launched a first-of-its-kind public-private partnership with GSK, creating a research center on campus and a jointly owned company, Qura Therapeutics – a global, research-based pharmaceutical and healthcare company – dedicated to discovering a cure for HIV/AIDS.
- In February 2016, Dr. Stephanie Wheeler and Dr. Niklaus Steiner participated in Vice President Joe Biden's panel discussion that was part of the Cancer Moonshot federal initiative to spur breakthroughs in cancer research.
- Carolina was recognized by the Foundation for Individual Rights in Education (FIRE) as one of the best universities in the U.S. for promoting freedom of speech, which is one of the hallmarks of the greatest American universities.
- For the second year in a row the oldest and most respected diversity-focused higher education publication, INSIGHT Into Diversity, honored Carolina for its outstanding commitment to diversity and inclusion.
- The University celebrated another record year of fundraising, receiving more than $495 million in commitments in fiscal year 2016 – nearly a 10 percent jump from the previous year.

The Commencement Speaker

BROOKE BALDWIN



Brooke Baldwin is a CNN news anchor, Peabody Award finalist and a UNC–Chapel Hill graduate. Baldwin, who anchors the 2 p.m. to 4 p.m. weekday edition of "CNN Newsroom," joined the network in 2008 as a reporter and took over the anchor position in 2010. Most recently, Baldwin played an integral role in CNN's record-breaking coverage of the historic 2016 presidential election.

In addition to covering the 2016 election, Baldwin traveled to the Persian Gulf last spring for an exclusive embedded opportunity with the U.S. Navy, reporting on the war on terror. She also traveled to Kenya ahead of former President Obama's historic visit and earned an exclusive interview with his half sister and their 93-year-old grandmother. In 2015, Baldwin hosted a historic town hall in Washington, D.C., that included interviews with people who had been touched by gun violence.

Her live anchoring stints have included President Obama's second inauguration, extensive special coverage of the Boston Marathon bombings and the elementary school shootings in Newtown, Connecticut. She also covered the 2012 presidential election, anchoring her show from the Republican Party convention and participating in the network's prime-time coverage of the GOP primaries. She contributed to the network's Peabody Award-winning coverage of the 2008 presidential election.

Baldwin has covered major breaking news from the earthquake and tsunami in Japan to the death of Osama bin Laden. She was part of CNN's Peabody Award-winning team that covered the oil spill disaster in the Gulf. She worked with the network's special investigations unit to complete her first hour-long documentary, "To Catch a Killer," which won a Silver World Medal for best investigative report at the New York Festivals International Television and Film Awards in 2012. She began her news broadcasting career at WVIR in Charlottesville, Virginia, and was a lead reporter for the 10 p.m. newscast at WTTG in Washington, D.C., before joining CNN.

A native of Atlanta, Georgia, Baldwin earned a bachelor's degree in journalism and Spanish from UNC–Chapel Hill in 2001. She also studied at Universidad Iberoamericana in Mexico City.

Honorary Degree Recipient

FRED N. ESHELMAN

DOCTOR OF SCIENCE

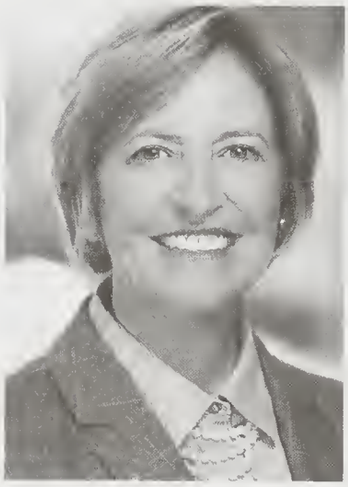
Fred Eshelman is chair of The Medicines Company (MDCO), and is the founder of Eshelman Ventures LLC, an investment company primarily interested in private healthcare companies. Previously he founded and served as CEO and executive chair of Pharmaceutical Product Development (PPDI, NASDAQ) prior to the sale of the company to private equity interests. After PPD he served as founding chair and the largest shareholder of Furiex Pharmaceuticals (FURX, NASDAQ), a company that licensed and rapidly developed new medicines. Furiex was sold to Forest Labs/Actavis in July, 2014. His career has also included positions as senior vice president (development) and board member of the former Glaxo, Inc., as well as various management positions with Beecham Laboratories and Boehringer Mannheim Pharmaceuticals. Eshelman has served on the executive committee of the Medical Foundation of North Carolina and was appointed by the NC General Assembly to serve on the Board of Governors for the state's multicampus university system (as chair of the Audit Committee) as well as the NC Biotechnology Center. In addition he chairs the Board of Visitors for the School of Pharmacy at UNC–Chapel Hill. One of the top pharmacy programs in the United States, in May 2008 the school was named the UNC Eshelman School of Pharmacy in recognition of his many contributions to the school and the profession. Recently, U.S. News & World Report named the school number one in the United States.

Eshelman has received many awards, including the Davie and Distinguished Service Awards from UNC–Chapel Hill, Outstanding Alumnus from both the UNC–Chapel Hill and University of Cincinnati schools of pharmacy, the Life Science Leadership Award (CED) and the NC Business Hall of Fame. Eshelman received a bachelor of science in pharmacy from UNC–Chapel Hill, a doctor of pharmacy from the University of Cincinnati, and completed a residency at Cincinnati General Hospital. He is a graduate of the Owner/President Management program at Harvard Business School.

Honorary Degree Recipient

PATRICIA D. HOROHO

DOCTOR OF LAWS



In December 2015, Lieutenant General (Retired) Patricia D. Horoho completed her four-year tour of duty as the first female and nurse to command the U.S. Army's Medical Command and serve as the surgeon general of a military department throughout the 239-year history of the Department of Defense.

A native of Fayetteville, N.C., she earned her bachelor of science in nursing from UNC–Chapel Hill in 1982 and was recognized as a 2015 distinguished graduate. In 2017, the University honored her with a grant in her name. She holds a master of science in nursing from the University of Pittsburgh, a master of science degree from the Industrial College of the Armed Forces, and three honorary doctorates. Horoho is a fellow in the American Academy of Nursing.

She completed a year at Accenture Federal Services as the managing director of Military Health. In May, she became the CEO of Military and Veterans Health at OPTUM.

Her recognitions, not all captured here, include: One of North Carolina's top 100, honored by Time Life Publications for her actions at the Pentagon on September 11, 2001; American Red Cross "Nurse Hero"; 2009 USO Woman of the Year; first nurse to receive the New York Institute of Technology's Riland Public Service Award; the Helen Manzen Award for exemplary leadership on behalf of the health of the nation; and recognition by Family Circle magazine as one of our nation's most influential moms.

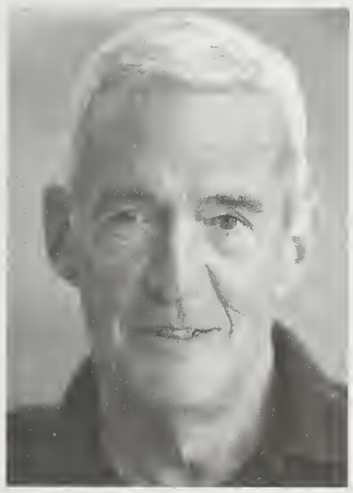
She has numerous military awards, the President's Lifetime Achievement award, France's National Order of Legion of Honor, Chevalier (Knight), and Japan's Defense Cooperation Award Second Class.

She and her husband, Ray, have two children, John and Maggie.

Honorary Degree Recipient

THOMAS FORREST KELLY

DOCTOR OF HUMANE LETTERS



Thomas Forrest Kelly is Morton B. Knafel Professor of Music at Harvard University, where he served as chair of the music department from 1999 to 2004. In 2005 he was named a Harvard College Professor in recognition of his teaching of undergraduates. Before coming to Harvard he taught at Oberlin Conservatory, where he was the founding director of the Program in Historical Performance and served as acting dean of the conservatory; and he taught at Amherst, Smith, Mount Holyoke, Hampshire Colleges and the University of Massachuetts, where he was the founding director of the Five College Early Music Program. From 1972 to 1979 he taught at Wellesley College. He was a visiting scholar at King's College, Cambridge (1976–1977) and a professeur invité at the École Pratique des Hautes Études, Paris (1998).

Kelly was born in Greensboro, N.C. He attended Groton School and UNC–Chapel Hill (A.B. 1964). His graduate study was at Harvard (A.M. 1970, Ph.D. 1973).

He is a Chevalier de l'Ordre des Arts et Lettres of the French Republic and a Fellow of the American Academy of Arts and Sciences and of the American Academy in Rome. He has held awards from the National Endowment for the Humanities and the American Council of Learned Societies. His most recent book is Capturing Music (Norton, 2015). He is also the author of First Nights: Five Performance Premieres, and Early Music: A Very Short Introduction. His book The Beneventan Chant (Cambridge) was awarded the Otto Kinkeldey Award of the American Musicological Society for the most distinguished work of musicological scholarship of 1989. He received a Distinguished Alumnus Award from UNC–Chapel Hill in 2005.

FOR CAROLINA'S NEWEST ALUMNI

The UNC General Alumni Association is eager to help the class of 2017 make a sueeessful transition from student to alumna/us. We'll keep Carolina eonnections strong by introdueing our newest graduates to our vast network of supportive alumni. We also provide communications, programs and services to keep you informed and involved.

ALUMNI RECORDS
Don't miss out on special invitations and services. Keep your record updated.

ALUMNI CAREER SERVICES
The GAA's Alumni Career Services will help you navigate employment options and opportunities throughout your career. Whether you already have a job, are heading to graduate school or are still looking for your next step, we can help.

EVENTS WITH TAR HEELS
No matter where you roam, there will likely be others in your midst who attended Carolina. The GAA will help with those introductions – don't miss out.

SOCIAL MEDIA
Jump start your alumni life – join the GAA's groups on Facebook, LinkedIn, Twitter and Instagram.

TRUSTED SOURCE
Information is everywhere, but you can count on the GAA's young alumni e-newsletter The Quad and the Carolina Alumni Review to bring you home again with every issue.

Special membership rates are available to new grads. Save $50 on life membership — $32.25/month for 24 months. New grad auto-renewing annual membership is only $25/year for the first three years.

For more information on how the GAA serves new graduates, stop by the George Watts Hill Alumni Center after Commencement until noon, call Katie Thore '15 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC ehancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus wide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to Carolina are included as participation in the Senior Campaign and the Office of University Development's annual giving totals. Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit giving.unc.edu/youngalumni.

CLASS OF 1967 CELEBRATES GOLDEN ANNIVERSARY

As part of their 50th class reunion, representatives from Carolina's Class of 1967 will join the academic processional at Commencement. Watch for these most recent inductees into the General Alumni Association's Old Students Club, who will be adorned in Carolina blue gowns and wearing medallions commemorating their golden anniversary reunion.

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication
Certificate – UNC Core

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Human Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Media and Journalism
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Ecology; Education; Educational Innovation, Technology and Entrepreneurship; English and Comparative Literature; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Physical Therapy
Master of Professional Science
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell Biology and Physiology; Chemistry; Clinical Rehabilitation and Mental Health Counseling; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics

and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neuroscience; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Science in Recreation Administration
Master of Social Work
Doctor of Nursing Practice
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell Biology and Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Computer Science; Ecology; Economics; Education; English and Comparative Literature; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Informatics; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neuroscience; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

WEST FRANKLIN STREET
EAST FRANKLIN STREET
NORTH COLUMBIA ST
SOUTH COLUMBIA STREET
University Square
COLONY CT.
FRATERNITY CT.
McCorkle Place
Visitors' Center
Morehead Planetarium
Coker Arboretum
NOOPER LANE
SENLAC ROAD
BOUNDARY STREET
Brooks Hall
Park Place Lot
PARK PLACE
EAST FRANKLIN
BASNIGHT LANE
CAMERON COURT
KENAN STREET
MALLETTE STREET
RALEIGH STREET
BATTLE LANE
WEST CAMERON AVENUE
EAST CAMERON AVENUE
Carolina Inn
Peabody
Phillips
Polk Place
Davie Hall
Playmakers Theatre
Upper Quad
Lower Quad
Forest Theatre
COBB DRIVE
LENOIR DRIVE
EMERSON DRIVE
COUNTRY CLUB ROAD
Davis Library
Cobb Parking Deck
PAUL GREEN THEATRE DRIVE
GLADDON DRIVE
GIMGHOUL
McCAULEY STREET
RANSOM STREET
PITTSBORO STREET
VANCE STREET
UNIVERSITY DR
SOUTH ROAD
Wilson Library
The Pit
Frank Porter Graham Student Union
Stone Cultural Center
Bell Tower
Memorial Grove
N. MEDICAL DRIVE
Health Affairs Book Store
Bell Tower Parking Lot
Fetzer Gymnasium
Woollen
Carmichael Arena
Hooker Fields
RALEIGH ROAD
to N.C. 54 and Friday Center
Koapp-Sanders
Fetzer Grandstands
Beck Track & Fetzer Field
Eddie Smith Field House
STADIUM DRIVE
Kenan Stadium
Loudermilk Center for Excellence
Navy Field
COUNTRY CLUB ROAD
RIDGE ROAD
US 501 to Pittsboro
DENTAL CIRCLE
UNC HOSPITALS
MASON FARM ROAD
WEST DRIVE
Central Parking Deck
HOSPITAL DRIVE
MANNING DRIVE
EMERGENCY ROOM DRIVE
NEW EAST DRIVE
Jackson Parking Deck
Student Family Housing
Odum Village
BERNARD ST.
HIBBARD DRIVE
WILLIAM BLYTHE DRIVE
Craige Parking Deck
PAUL HARDIN DRIVE
Student Academic Services
Ehringhaus Field
Bryson Field
Outdoor Education Center
EHRINGHAUS DR.
Coker Pinetum and Meeting at the Waters Creek
SKIPPER BOWLES DRIVE
MANNING DRIVE
HINTON JAMES DR.
PINE LANE
KENAN CENTER DRIVE
Kenan Center
WILLIAMSON DRIVE
BRANSON STREET
PUREFOY ROAD
MASON FARM ROAD
Dean E. Smith Student Activities Center
Kenan Memorial
Williamson Athletic Center
BUTTONS LANE
LAUREL HILL ROAD
WHITEHEAD CIRCLE
OTEYS ROAD
Baity Hill Student Family Housing
BAITY HILL DRIVE
FERN LANE
IRIS LANE
US 15-501 / NC 54 BYPASS
FORDHAM BLVD.
to N.C. Botanical Garden
N

DEPARTMENTAL *and* SCHOOL COMMENCEMENT EVENTS

SUNDAY AFTERNOON, MAY 14

SCHOOL OR DEPARTMENT	TIME	PLACE	MAP LOCATION
Allied Health Sciences, Clinical Laboratory Sciences	1:00 p.m.	Wilson Library, Pleasants Family Room	H-6
Archaeology and Anthropology	1:00 p.m.	Gerrard Hall	G-4
Art	1:00 p.m.	Hanes Art Center, Room 121	G-2
Chemistry	1:00 p.m.	Friday Center	M-7
Classics	1:00 p.m.	Murphey Hall, Auditorium	H-5
Computer Science	3:30 p.m.	Carmichael Arena	K-7
Dramatic Art	1:00 p.m.	Center for Dramatic Art	L-6
Economics	1:00 p.m.	FedEx Global Education Center	F-6
Geography	Reception following main ceremony	Carolina Hall, Room 220	H-4
Germanic and Slavic Languages and Literatures	1:00 p.m.	Dey Hall, Toy Lounge	H-5
Global Studies	4:00 p.m.	Memorial Hall	H-4
History	1:00 p.m.	Hamilton Hall, Room 100	J-4
Honors Carolina	Reception following main ceremony	Graham Memorial	H-2
Linguistics	Reception following main ceremony	Kenan Music Building, Rehearsal Hall	F-3
Mathematics	1:00 p.m.	Carroll Hall, Room 111	G-4
Music	2:00 p.m.	Hill Hall, Moeser Auditorium	G-2
Physics and Astronomy	1:00 p.m.	Chapman Hall, Room 201	G-4
Political Science	1:00 p.m.	Memorial Hall	H-4
Psychology and Neuroscience	1:00 p.m.	Carmichael Arena	K-7
Religious Studies	Reception following main ceremony	Courtyard between Carolina and Murphey Halls	H-4
School of Information and Library Science	1:00 p.m.	Student Union, Great Hall	J-6
Statistics and Operations Research	1:00 p.m.	Genome Science Building, Room 100	F-7
Women's and Gender Studies	2:00 p.m.	Howell Hall, Room 115	I-2

CANDIDATES *for* GRADUATE DEGREES

May 2017

Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Oren Abeles, *English and Comparative Literature,* The Agricultural Climax and Darwin's Evolutionary Rhetoric. Professor Jordynn Jack.

Jeffrey Ackermann, *Economics,* The Effect of Franchising on Store Performance and Consumer Utility. Professor Brian McManus.

Chris Bernard Otieno Agala, *Health Policy and Management,* Referral Network Factors and Health Outcomes Among HIV-Positive Women in Ethiopia. Professor Bruce J. Fried.

Aderonke Aramide Akinkugbe, *Epidemiology,* Periodontal Origins of Non-alcoholic Fatty Liver Disease. Professors Gerardo Heiss and Gary D. Slade.

Kei Lis Alegria-Flores, *Health Policy and Management,* Complex Systems: An Innovative Approach to Improve Multidrug-Resistant Tuberculosis Treatment Adherence. Professor Bryan J. Weiner.

George H. Allen, *Geological Sciences,* Global Abundance and Morphology of Rivers and Streams. Professor Tamlin M. Pavelsky.

Hyowon An, *Statistics and Operations Research,* Gaussian Centered L-Moments. Professors James Stephen Marron and Kai Zhang.

Elizabeth H. Andersen, *Neuroscience,* Convergence of Aberrant Electrophysiological Correlates of Salience, Affective Processing and Stress Reactivity in Patients With Schizophrenia. Professors Aysenil Belger and Kelly S. Giovanello.

Maiko Arashiro, *Environmental Sciences and Engineering,* Understanding the Biological Effects of Isoprene-Derived Secondary Organic Aerosol. Professor Jason Surratt.

Ariel Jasmine Atkinson, *Environmental Sciences and Engineering,* Development and Performance Evaluation of an Innovative Anti-Biofouling Reverse Osmosis Membrane for Water Purification Applications. Professor Orlando Coronell.

Heather-Leigh Kathryn Ba, *Political Science,* Development, Transition, and Crisis in the International System: 1870–2009. Professor Thomas Oatley.

Emily Bailey, *Environmental Sciences and Engineering,* Microbial Quality and Risk Assessment of Alternative Sources of Drinking Water Impacted by Waste Water: An Analysis of NC Type 2 Reclaimed Water for Potable Reuse. Professor Mark D. Sobsey.

Nicholas Anthony Battista, *Mathematics,* The Fluid Dynamics of Heart Development: The Effect of Morphology on Flow at Several Stages. Professor Laura A. Miller.

Anna Elizabeth Bauer, *Epidemiology,* Variations in Carbon Monoxide, Nitric Oxide and Detoxification Genes, Interactions With Maternal Smoking, and Associations With Preeclampsia: A Mother-Child Dyad Analysis. Professor Stephanie M. Engel.

Evan Edward Beauvilliers, *Chemistry,* Controlling Electron Transfer Photoreactivity of Ruthenium Polypyridyl Compounds at the Semiconductor Interface and in Solution. Professor Gerald J. Meyer.

Trandon Allen Bender, *Chemistry,* Methods for the Selective Modification of Carbohydrates and Natural Products. Professor Michel R. Gagne.

Elizabeth S. Berger, *Anthropology,* Bioarchaeology of Adaptation to Climate Change in Ancient Northwest China. Professor Dale L. Hutchinson.

Lilah Marie Besser, *City and Regional Planning,* Neighborhood Built Environment Characteristics and Cognition in Non-Demented Older Adults. Professor Daniel A. Rodriguez.

Garima Bhalla, *Public Policy,* Poverty Alleviation and Public Policy: Three Essays on Impact of Cash Transfers on Food Insecurity, Life Satisfaction and Informal Transfers. Professor Sudhanshu Handa.

Paolo Bocci, *Anthropology,* Invasive Life: Illegal Immigrants and Invasive Species on the Galapagos Islands, Ecuador. Professor Margaret Wiener.

Kelly Nicole Bodwin, *Statistics and Operations Research,* Methods of Association Mining by Variable-to-Set Affinity Testing. Professors Andrew Nobel and Kai Zhang.

Courtney Elizabeth Boen, *Sociology,* Inequality "Under the Skin": Stress and the Biodemography of Racial Health Disparities Across the Life Course. Professors Y. Claire Yang and Karolyn Tyson.

John Peyton Bohnsack, *Pharmacology,* Epigenetic Control of GabaA-R Expression by Ethanol. Professor A. Leslie Morrow.

Gina Bombola, *Musicology,* "Can't Help Singing": The "Modern" Opera Diva in Hollywood Film, 1930–1950. Professor Annegret Fauser.

Lindsay Marissa Brainard, *Philosophy,* The Scientific Power of Simulation: How Simulations Explain, Confirm and Discover. Professor Marc Lange.

Karen Bulaklak, *Pharmaceutical Sciences,* Uncovering the Role of microRNA-206 in Duchenne Muscular Dystrophy. Professor Xiao Xiao.

Montika Bush, *Epidemiology,* Secondary Prevention Methods After Acute Myocardial Infarction Among Medicare Beneficiaries. Professor M. Alan Brookhart.

Ricky Leigh Camplain, *Epidemiology,* Non-Hospitalized Heart Failure in the Community: Characteristics of Self-Reported and Outpatient Heart Failure. Professor Gerardo Heiss.

Jordan Cates, *Epidemiology,* Malaria and Malnutrition During Pregnancy: An Investigation of Interactions and Interventions. Professor Daniel J. Westreich.

Natalia Chernysheva, *Slavic Languages and Literatures,* The Haptic in Lev Tolstoi's "Anna Karenina." Professor Christopher Putney.

Jongmin Choi, *Public Policy,* The Emergence of 3D Printing. Professor Maryann P. Feldman.

Lynn Suzanne Chollet Hinton, *Epidemiology,* Epidemiology of Breast Cancer Among Young Black Women and the Rise in Young-Onset Distant Disease in the U.S. Professor Melissa Troester.

Yuan Chong, *Physics,* NMR Studies of Protein Hydration and Protein-Ligand Interactions. Professor Yue Wu.

Elizabeth Artemis Clark, *Classics,* The Chronicle of Novalese: Translation, Text and Literary Analysis. Professor Robert G. Babcock.

Jenna Leigh Clark, *Psychology,* The Role of Text Messaging in Close Relationships. Professor Sara B. Algoe.

Natalie R. Cohen, *Marine Sciences,* Iron-Related Molecular Physiology of Marine Diatoms: Individual Genes to Community Transcriptomes. Professor Adrian Marchetti.

Rachel D. Cohen, *Chemistry,* Quinary Structure Alters Protein Folding Landscapes. Professors Gary J. Pielak and Eric M. Brustad.

Daniel B. Coleman Chavez, *Communication Studies,* Intimacies of Un-Becoming: Oral History Performances and Mujeres Afrodescendientes in San Cristóbal de las Casas, Chiapas, México. Professor Della Pollock.

Theresa Marie Coles, *Health Policy and Management,* Sleep Disturbance in Individuals Diagnosed With Colorectal Cancer: Factors Associated With Sleep Disturbance and Changes in Sleep Disturbance. Professor Bryce Reeve.

Michael Aaron Collier, *Pharmaceutical Sciences,* Formulation, and Characterization of Carrier Vehicles for Infectious Disease Treatment and Modulation of the Innate Immune System. Professor Kristy M. Ainslie.

Kyla A. L. Collins, *Bioinformatics and Computational Biology,* Data-Driven Computational Modeling of the State and Architecture of the Breast Cancer Kinome. Professors Shawn M. Gomez and Gary L. Johnson.

Aubrey Noel Comperatore, *Education,* Negotiating Networks: Exploring the Interaction and Intersection of a Teacher's Beliefs, Literacy Policy and Instruction. Professors Leigh A. Hall and Julie E. Justice.

Christina Cordero, *Epidemiology,* The Association Between Prenatal and Neonatal Complications and Autism Spectrum Disorder in the Child. Professor Julie L. Daniels.

Meredith Corley, *Bioinformatics and Computational Biology,* The Functional Effects of RNA Structure: From riboSNitches to Translational Control. Professor Alain Laederach.

David M. Crizer, *Chemistry,* Understanding of Novel Chemistries Using Mass Spectrometry, Differential Ion Mobility Spectrometry and Theoretical Calculations. Professor Gary L. Glish.

Matthew Paul Dannenberg, *Geography,* Environmental Limitations to Forest Growth and Productivity in North America. Professors Conghe Song and Erika K. Wise.

James Mancil Davison, *Cell and Developmental Biology,* Identification of Transcription Regulatory Mechanisms Mediating Host Responses to Microbiota in the Intestinal Epithelium. Professor John F. Rawls.

Julian Diez Torres, *Romance Languages and Literatures,* Amplificación Retórica y Género Historiográfico en La Florida del Inca y Los Comentarios Reales del Inca Garcilaso de la Vega. Professor Rosa Perelmuter.

Lisa Diane DiMartino, *Health Policy and Management,* Implementation and Effectiveness of Triggered Palliative Care Consults in Oncology. Professor Bryan J. Weiner.

Rachel B. Dolin, *Health Policy and Management,* Drivers of Live Discharge from the Medicare Hospice Program: A Mixed Methods Study. Professor Pam Silberman.

Matthew William Dougherty, *Religious Studies,* Land of the Jewish Indians: How the Hebrew Bible Made Race and Territory in the Early United States. Professor Laurie F. Maffly-Kipp.

Emily Anne Elliott, *Marine Sciences,* Raiding the Toolbox - Techniques for Assessing Historical, High-Resolution Records of Coastal Estuarine Sediment Erosion, Transport and Sedimentation. Professors Brent A. McKee and Antonio B. Rodriguez.

Tommy Ender, *Education,* Changing Someone Else's Story: How Social Studies Teachers Transform the Discipline. Professors George Noblit and Juan F. Carrillo.

Trevor FitzSimmons Erlacher, *History,* The Furies of Nationalism: Dmytro Dontsov, the Ukrainian Idea and Europe's Twentieth Century. Professor Donald J. Raleigh.

Catherine Fahey, *Genetics and Molecular Biology,* The Effect of Cancer-Associated SETD2 Mutations on Transcription and Chromatin Organization. Professor Albert S. Baldwin.

Donato Fhunsu, *English and Comparative Literature,* The Kongo Rule: The Palo Monte Mayombe Wisdom Society. Professors Inger S. B. Brodey and Todd Ramón Ochoa.

Matthew P. Forsstrom, *Economics,* Abortion Costs and Single Parenthood: A Life-Cycle Model of Fertility and Partnership. Professor Donna Gilleskie.

Bruce O'Brian Foster, *Sociology,* "I Don't Like the Blues": Stories of Memory, Race and Regional Futures From the Mississippi Delta. Professor Karolyn D. Tyson.

Allan Mathew Freyer, *City and Regional Planning,* Incentives in a New Light: Enhancing the Effectiveness of State Economic Development Through Policy Embeddedness. Professor Nichola Lowe.

Ning Fu, *Economics,* When the Honeymoon is Over: The Effects of Family Structure on Children's Cognitive and Non-Cognitive Achievements. Professor Donna B. Gilleskie.

Joshua Thomas Fuchs, *Physics,* Fundamental Properties of White Dwarfs Alone and in Binaries. Professor J. Christopher Clemens.

Preston Brooks Fuller, *Mass Communication,* Words, Wounds, and Relationships: A Mixed-Method Study of Free Speech and Harm in High-Conflict Environments. Professor Cathy L. Packer.

Elijah Gaddis, *American Studies,* Processional Mobility and Celebratory Culture in Black North Carolina, 1865–1945. Professor Bernard L. Herman.

Andrew Jordan Gard, *Romance Languages and Literatures,* The Rise of the Coquette in Seventeenth- and Eighteenth-Century Theater. Professor Ellen R. Welch.

Stephanie Rebekah Gaskill, *Religious Studies,* Moral Rehabilitation: Religion, Race, and Reform in America's Incarceration Capital. Professor Laurie Maffly-Kipp.

William Mckay Gilliland, *Chemistry,* Development and Applications of a Microchip Capillary Electrophoresis-High Pressure Mass Spectrometry Platform. Professor J. Michael Ramsey.

Nancy K. Gillis, *Pharmaceutical Sciences,* Exploring Clinical and Genetic Factors to Optimize the Use of Tyrosine Kinase Inhibitors in Clinical Practice. Professors Howard McLeod and Tim Wiltshire.

Chris Givens, *Cell and Molecular Physiology,* Hemodynamic Mechanisms Regulating Inflammatory Vascular Remodeling. Professor Ellie Tzima.

Joshua Gregory Gober, *Chemistry,* Rational Engineering of Cytochrome P450 Enzymes. Professor Eric M. Brustad.

Matthew David Goodson, *Physics,* Chemical Enrichment of the Early Solar System. Professor Fabian Heitsch.

Tyler Jay Goodwin, *Pharmaceutical Sciences,* Treatment of Liver Metastasis via Nanoparticle Delivery of Engineered Gene Immunotherapies Expressed Locally and Transiently by the Liver Hepatocytes. Professors Leaf Huang and Philip C. Smith.

Kent Ross Gordon, *Biomedical Engineering,* Tools for the Advancement of Cell-Based Screening for Neurological Disorders. Professor Anne M. Taylor.

Sofoklis Goulas, *Economics,* Essays on the Economics of Human Capital. Professors Luca Flabbi and Lutz Hendricks.

Sheryl Lee Grant, *Information and Library Science,* An Exploratory Study of Values Alignments in a Teacher Professional Development Digital Badge System. Professor Barbara Wildemuth.

Jeremy Stuart Michael Greeter, *Biology,* Damping at Every Turn: Maneuvers and Stability in the Free Flight of Hawkmoth Manduca sexta. Professor Tyson L. Hedrick.

Joann Frances Gruber, *Epidemiology,* Timing of Rotavirus Vaccination and Incidence of Severe Rotavirus Gastroenteritis Among Infants in Low- and Middle-Income Countries. Professor Michele Jonsson Funk.

Christopher Rene Hakkenberg, *Ecology,* Mapping Plant Diversity and Composition Across North Carolina Piedmont Forest Landscapes Using LiDAR-Hyperspectral Remote Sensing. Professor Conghe Song.

Marissa G. Hall, *Health Behavior,* Understanding the Role of Reactance to Pictorial Warnings on Cigarette Packs. Professor Noel T. Brewer.

Sama Samer Hammad, *Nursing,* A Mixed Methods Study of Childhood Feeding and Growth in Saudi Arabia. Professor Diane C. Berry.

Andrew Hampton, *Chemistry,* Improving the Selectivity of High Pressure Mass Spectrometry. Professor J. Michael Ramsey.

Jennifer Lee Hargrove, *Epidemiology,* Antihypertensive Adherence Trajectories and the Association Between Antihypertensive Medications and Fractures Among Older Adults Initiating Therapy. Professor Til Stürmer.

Brittney Ann Harkey, *Human Movement Science,* Acute Effect of Altered Mechanical Loading on Biomechanics and Biochemical Markers in Individuals With Anterior Cruciate Ligament Reconstruction. Professor Brian Pietrosimone.

Robert William Heckman, *Biology,* Influences of Natural Enemies and Resource Availability in Biological Invasions by Plants. Professor Charles E. Mitchell.

Teague Henry, *Psychology,* Motion Correction for fMRI Data Using Conditional Transition Regime Switching General Autoregressive Conditional Heteroskedasticity Models. Professor Kathleen Gates.

Sur Herrera Paredes, *Bioinformatics and Computational Biology,* Understanding the Plant Microbiome. Professors Jeffery L. Dangl and Corbin D. Jones.

Jonathan Charles Hibbard, *Biostatistics,* Harnessing Heterogeneity to Improve Patient Outcomes. Professor Michael. R. Kosorok.

Lauren Mary Hill, *Health Behavior,* Mental Health and Sexual Risk Behaviors Among Social Networks of Young Tanzanian Men. Professor Suzanne Maman.

Jesse Michael Hinde, *Public Policy,* Examining the Impacts of Health Insurance Costs and Health Reform on Private Insurance Coverage, Employment and Wages. Professor Christine P. Durrance.

Julie Korda Holsclaw, *Genetics and Molecular Biology,* Novel Roles for the *Drosophila melanogaster* Ortholog of SMARCAL1 in DNA Damage Repair. Professor Jeff Sekelsky.

Jonathan Horowitz, *Sociology,* Work, Love and Dissent: Activist Participation in the Transition to Adulthood. Professor Kenneth T. Andrews.

Hung-Ching Hsia, *Cell Biology and Physiology,* Roles and Regulation of STAT3 in Innate Immunity. Professor Albert Baldwin.

Carmen Huerta-Bapat, *Sociology,* The Racial Profiling of Latinos in North Carolina. Professors Neal Caren and Frank R. Baumgartner.

Caitlin Suzanne Hult, *Mathematics,* Modeling Nucleosomal DNA in Living Yeast. Professor Mark G Forest.

Bryan Clark Hutchins, *Education,* An Investigation of the Schooling Experiences of Rural Work-Bound Youth: A Person-Oriented Approach. Professor Judith L. Meece.

Ahmed-Rufai Ibrahim, *Chemistry,* Synthesis and Characterization of Defects in Coatings and the Degradation of Polymeric Materials. Professors Valerie S. Ashby and Frank A. Leibfarth.

Chioma Ihekweazu, *Mass Communication,* Novelty, Accuracy and Behavioral Recommendations in Health News: Two Decades of New York Times' Nutrition News Coverage and Reader Comments. Professor Brian Southwell.

Suzannah Fenton Isgett, *Psychology,* Seeking and Speaking From the Heart: Influences of Respiratory Sinus Arrhythmia on Facial Mimicry and Expressed Compassion. Professor Barbara L. Fredrickson.

Reed Benjamin Jacob, *Bioinformatics and Computational Biology,* Developing a Bioscavenger Against Organophosphate Nerve Agents. Professor Nikolay V. Dokholyan.

Byron C. Jaeger *Biostatistics,* Extending R-Squared to the Generalized Linear Mixed Model for Longitudinal Data. Professor Lloyd. J. Edwards.

Anel Ariana Jaramillo, *Neuroscience,* Examination of Cortical/Thalamic-Striatal Circuitry in Modulating Sensitivity to Alcohol and Relapse. Professors Joyce Besheer and A. Leslie Morrow.

Jamie A. Jarmul, *Health Policy and Management,* The Clinical Utility and Cost-Effectiveness of Cardiovascular Genetic Risk Testing for Targeting Statin Therapy in the Primary Prevention of Atherosclerotic Cardiovascular Disease. Professor Morris Weinberger.

Todd Michael Jensen, *Social Work,* A Typological Examination of Stepfamily Relationship Quality and Adolescents' Short-Term and Long-Term Adjustment. Professor Gary L. Bowen.

Jimmy Jin, *Statistics and Operations Research,* Inhomogeneous Branching Processes: A Tale of Two Networks. Professors Shankar Bhamidi and Andrew Nobel.

Bryan Allen Johnson, *Microbiology and Immunology,* The Activation and Consequences of the ATM Mediated DNA Damage Response in HPV Infected Cells. Professor Cary Moody.

Mustafa Onur Kabul, *Statistics and Operations Research,* Essays on Selling to Strategic Customers With a Supply Chain Perspective. Professors Ali K. Parlakturk and Nilay Tanik Argon.

Chaitali Paresh Kapadia, *Business Administration,* More Tasks, More Ideas: The Energy Spillover of Multitasking on Subsequent Creativity. Professor Shimul Melwani.

Fikriye Eda Karacul, *School Psychology,* Implementing the Biopsychosocial Approach of the ICF-CY to Predict Secondary Conditions and Quality of Life in Individuals With Spina Bifida. Professor Rune J. Simeonsson.

Melissa Cunningham Kay, *Nutrition,* Examining the Association Between Maternal and Infant Diet as a Basis for Early Life Obesity Prevention. Professor Margaret E. Bentley.

Smisha Agarwal Kaysin, *Maternal and Child Health,* The Impact of the Accredited Social Health Activists (ASHA) Program in India on the Utilization of Maternity Services from the Antepartum to the Postpartum Period. Professor Sian L. Curtis.

Dannielle Elizabeth Kelley, *Mass Communication,* Countering Indoor Tanning Arguments: An Experiment Using Skin Cancer Prevention Messages. Professor Seth M. Noar.

Christine Marie Kenison, *German Studies,* Bestselling Borders: The Mutual Implications of German and Polish Identity in the Late Nineteenth- and Early Twientieth Century Novel. Professor Jonathan M. Hess.

Jung In Kim, *Biostatistics,* Contributions to the Analyses of Recurrent Events and Competing Risks. Professor Jason Fine.

Ian Robert Kroll, *Marine Sciences,* Assessing Estuarine-Scale Population Connectivity and Dynamics for the Management of Marine Fisheries. Professor F. Joel Fodrie.

Anna Nikolaevna Kushkova, *Anthropology,* Navigating the Planned Economy: Accommodation and Survival in Moscow's Post-War "Soviet Jewish Pale". Professors Michele Rivkin-Fish and Jonathan A. Boyarin.

Katrina Marie Kutchko, *Bioinformatics and Computational Biology,* From Neurons to Nucleic Acids: Spatio-Temporal Emergent Behaviors of Complex Biological Systems. Professor Alain Laederach.

Jessica Evelyn Laine, *Epidemiology,* Investigation of Nutritional Biomarkers Associated With Metabolism of Inorganic Arsenic and Infant Birthweight. Professor David B. Richardson.

Stephanie T. Lane, *Psychology,* Regularized Structural Equation Modeling for Individual-Level Directed Functional Connectivity. Professors Kathleen M. Gates and Patrick J. Curran.

Patrick Lang, *Cell Biology and Physiology,* ATR is a Novel Therapeutic Target for Medulloblastoma Identified by its Role in Cerebellar Development. Professors Timothy Gershon and Mohanish Deshmukh.

Shannon Wong Lerner, *Communication Studies,* The Diva in the Garden: Operatic Voice, Sexuate Difference and Pastoralism, 1850–1923. Professor Christian Lundberg.

Brian Louis Levy, *Sociology,* Neighborhood Disadvantage and Wellbeing Across the Life Course. Professor Kathleen M. Harris.

Nan Li, *Epidemiology,* Sugar/Carbohydrate Intake and the Barrett's Esophagus-Adenocarcinoma Continuum. Professor Marilie D. Gammon.

Siying Li, *Biostatistics,* Methods in Randomization Based ANCOVA for Novel Crossover Designs and Sensitivity Analysis for Missing Data. Professor Gary G. Koch.

Qiaoxi Li, *Materials Science,* Understanding and Advancing Shape Memory in Semi-Crystalline Polymer Networks. Professor Sergei S. Sheiko.

Xiaojuan Li, *Epidemiology,* Comparative Effectiveness of Intravenous Iron Treatment Protocols in Hemodialysis Patients: Causal Inference With Dynamic Treatment Regimens. Professor M. Alan Brookhart.

Peter Christopher Lincoln, *Computer Science,* Low Latency Displays for Augmented Reality. Professors Henry Fuchs and Greg Welch.

Yuxiang Liu, *Biology,* Comparative Analyses of Spatial Cognition in Frogs. Professor Sabrina S. Burmeister.

Hanwei Liu, *Economics,* Essays on Conditional Quantile Estimation and Equity Market Downside Risk. Professor Eric Ghysels.

Alexandra Mary Locking, *History,* A New Senate of Women: Ecclesiastical Reform and the Reimagining of Female Secular Lordship, c. 1050–1125 CE. Professor Marcus G. Bull.

Ilwoo Lyu, *Computer Science,* Cortical Surface Registration and Shape Analysis. Professor Martin A. Styner.

Jordan Louise MacKenzie, *Philosophy,* On Knowing Yourself and Being Worth Knowing. Professor Thomas E. Hill.

Brett C. Major, *Psychology,* Do Daily Thoughts About Social Experiences Promote Health and Well-being? Professor Barbara L. Fredrickson.

Kevin Dale Mangum, *Pathology,* Genetic and Epigenetic Mechanisms Regulating Smooth Muscle Cell Differentiation. Professor Christopher P. Mack.

Elizabeth Marie Martin, *Environmental Sciences and Engineering,* The Use of Metabolomic Profiling to Elucidate Mechanisms Underlying Arsenic-Associated Diabetes. Professor Rebecca C. Fry.

Samuel Halvor Masters, *Health Policy and Management,* The Impact of New Technologies on Health Knowledge and Behavior: Evidence From Kenya, Uganda and the United States. Professor Harsha Thirumurthy.

Brooke Davis Maxfield, *Education,* An Economic Signaling Comparison of High School Diploma to General Education Development Certificate Holders in the United States Army. Professor Eric Houck.

Christopher Mazzone, *Neuroscience,* Contributions of Genetically Defined Cell Populations in the Extended Amygdala to Emotional Behavior. Professor Thomas L. Kash.

Caroline Harkins McCarty, *Occupational Science,* Coming Home: Family Routines and Sense of Belonging in Older Child Adoption. Professor Brian A. Boyd.

Rory M. McGovern, *History,* George W. Goethals: Life and Reform in the U.S. Army, 1876–1919. Professor Joseph T. Glatthaar.

Robert S. McNeill, *Pathology,* The Roles of PI3K and MAPK Pathway Mutations in Gliomagenesis and Response to Targeted Inhibition. Professor C. Ryan Miller.

Joy H. Meserve, *Genetics and Molecular Biology,* Cell Cycle Regulation During Development and Regeneration. Professor Robert J. Duronio.

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Minh Nguyen Pham
Angela Marie Pickersgill
Jennifer Kneezel Potter
Zachary Bayard Powell
Margaret Elizabeth Pray
Jackie Emmanuel Queen
Nathan Quig
Sharanya Rajendra
Malika Rakhmankulova
Philip Alexander Ramirez

David T. Randolph
Shanti Gundavaram Rao
Ami Rajeswari Rao-Zawadzki
Dustin Taylor Rea
Jillian M. Rigert
Teresa Ro
Shan Jin Robertson
William Orval Runge
Thomas Nash Rusher
Lydia Shaw Russell-Roy
Sarah Elizabeth Rutstein
Paris Ciara Scott
William Cooper Scott
Charles Thomas Semelka
Vishavpreet Singh
Lucas Michael Sjeklocha
Sara Skavroneck
Natalia Smirnova
Michael Anthony Sola
Adrianne Elizabeth Soo
Hillary Beth Spangler
Haley Barrier Stehr
Tyler Alexander Stephen
Elise Michelle Stephenson
Eric David Strand
Marisa Sturza
Shivani Sud
Jesse Sun
Kiersten Joyce Swayne
Manasi Sanjivan Tannu
Kawika Terukina
Jeremy Cam Thompson
Sarah Hale Todd
Nora Frances Tolbert
Thai Truong
Ajay Shankar Unnithan
Richard Uribe
Kim Thien Vuong
Jocelyn Yon Wang
Mary Katherine Weinel
Aaron Matthew Wesley
William McKinney West
Daniel Rhyne White
Jenna Marie Wiley
Keyonna Michele Williams
Adam Kenneth Willson
Lisa Wise
Rivers Woodward
Adrienne Yancey
Yi Yang
Jing Zhong

The Eshelman School of Pharmacy

ESTABLISHED 1897

Dean Robert A. Blouin

DOCTOR OF PHARMACY

Renee Jennifer Ackley
Kristin Gloria Aloi
Byron Kennard Alston
James P. Amerine
Laura H. Ammons
Brian Bernard Bailey
Melissa R. Baker
Sherifat F. Balogun
Seth I. Barry
Jenna Wood Bartlett++
Christopher W. Beaver
Joel T. Bibby++
Michael Taylor Bitonti++
Lauren Lynn Bjork
Holly Bourgeois
Laura King Bowers
Brandon M. Boyle
Carrie A. Britt
Andrew T. Brown
Maria Isabel Buckner
Catherine Alexis Buckthal
Kaitlyn M. Buhlinger++
Adam M. Bydlon
Kathryn Laura Gouzoules Campbell++
Stephen W. Canady
Simone Carden
Jocelyn Cargile
Lindsay M. Carter
Angelina Lee Cha
Felicia Damali Charles
Jamie Chuu
Lynsi T. Collins
Evan W. Colmenares++
Jennifer Courtney Cook
Ryan Michael Dean Cook
Adam Clifford Corey
Ross Cramer
Robert Louis Crawford III
Alexander Cremer
Jonathan Kelly Crissman
Claire Bain Davis
Elizabeth A. Dellinger
Aneka Leigh Diera
Thomas J. Dietz
Yordanis Diez
Sarah L. Dobbins
Yue Dong
Amanda Rae D'Ostroph++
Jonathan Allen Downs
Erica Celeste Earnhardt
Karen R. Edey
Stacey Sprague Edwards
Jackie K. Everidge
Robin Feito
Melika Fini
Leslee Kay Villaluz Flores
Victoria Nicole Everette Forrest
Daniel A. Freking
Jennifer Godbold
Lauren Brooke Godbout
Giselle M. Gomez
Amanda Leigh Gorman
Jason C. Graessle
Molly Elizabeth Greene
Andrew R. Haberkorn
Ashley Hall
Ethan Harrison Hammer
Elizabeth L. Hansen
Richard Gene Hansson
Tanner Logan Hedrick
Hugh Heldenbrand
Sarah M. Hendricks
Abigail S. Hogg
Katherine B. I. Horowitz++
Shelby Layne Hudson++
Lauren Hansen Hysong
Stephanie Jiachi Jean++
Thomas A. Johnston++
Colton Jones
Kai Kang
Marcus Colker Kaplan
Allison S. Karabinos++
Zachary A. Kornblum
Jennifer Ku++
Brian Andrew Kurish
Felix Wing-Pui Lam
Prutha B. Lavani
Trang M. Leminh
Sarah Katherine Leyden
Amy Li+
Han Lin
Christopher Ka Lo
Margaret A. Marshall
Lindsey Reid McKeown
Maggie O. Meadows
Kelsey Melloy
Molly E. Merz
Jordan Bradley Messer
Hannah E. Mierzwa
Ashley Nicole Moody++
Eric Spenser Moody
Kristen Leger Moody
Briana Page Moore
John Patrick Morton
Yekaterina E. Mutilin++
Weston M. Ogburn
Alvin Christopher Ong
Steven K. Otto++
Lynsey Jade Parker
Taylor Pasley
Ami Dilipkumar Patel
Hitesh Rasik Patel
Khushboo Himanshu Patel
Payal D. Patel++
Samantha P. Patton
Hiep Huy Pham
Norman Huy Pham
Katherine A. Piacentini
Michael E. Plazak
Melissa Marie Rhoney
Cecilia Robaina
Brittney Roberts+
Franklin B. Rodriguez
Stephanie L. Rusin
Kaitlin P. Rzasa
Chase Weston Sasser
Julie Elizabeth Saunders
Emily Lauren Seidler
Eric Shen++
Matthew E. Shepard
Marina Santanna Snellings
Alyssa Paige Stewart
Allison Mary Stilwell
Stephanie Sun
Carson Sarah Tester
Marcy A. Thompson
Glenn Steven Thorp Jr.
Meredith Anne Tilley
Phillip Richmond Transou
Sarah Marie Troutman
Zachary Sherman Truman
Angela Veler
Michael J. Verble++
Jennifer A. Voelker
Nan Wang++
Alissa Ward
Taylor Mai Weis
Caroline Welles
Charlotte Wells++
Michael Andrew Wells++
Allison L. Wheeler
Sarah Sheffield Wiest
Katelin M. Wilfinger
Jeremy Scott Willis
Christian David Wohlfeld
Steven M. Yow
Jill Gabrielle Zaccardelli
Panli Zheng

+ Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Honors

++ Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Highest Honors

CANDIDATES *for* GRADUATE *and* PROFESSIONAL GRADUATE DEGREES

May 2017

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Bryan Mark Dougan
Jonathan Espitia
Kailey Alana Rocker
Vaia Sigounas

Art History
Katherine Leigh Averett
Kimberley M. Henze
Kelly Elizabeth Koupash
Hardin Massie Minor

Classics
Brandon Todd Baker
Melanie Lynn Godsey
Kevin Kallmes
Nathan Israel Smolin
Hannah Sorscher
Emma N. Warhover

Communication Studies
Zachary Thomas Parker

Education
Steven Dale Bergman
Xuyang Cao
Linchang Li
Qian Liu
Yingmei Mai
Siqi Sun
Fan Yang

English and Comparative Literature
Leslie Chandler Batchelor
Tracy Elizabeth Harvin
Brandon Riley Rogers

Exercise and Sport Science
James David Ayscue
Kevin Mark Biese
Christopher Ryan Brooks
Kyra Lynn Busque
Eli Joseph Danson
Mikaela Paige Davis
Rebecca Lynn Dubas
Shinann Tolan Featherston
Julia Margaret Ford
Ruth Duvall Fuqua
Colin Christopher Gay
Hayden Kathleen Giuliani
Julie E. Harriss
Erin Margaret Hegarty
Christian David Hunt
Joshua Jarrell Isom
Rachel Renee Leeke
Ethan Droz Lievense
Amy Alexandra Macaione
Cally Marie Mackrell
Emilee Rose McCollum
Jacob Nathaniel Mir
Meredith Mock
Aliza Kamman Nedimyer
Andrew C. Read
Taylor Lyn Saimeri
Nicholas Shea
Ryan Viverette
Kayla Vredeveld
Lea Jeanne Zagorin

Folklore
Victor Lucas Bouveron
Rachel Garringer
Emily Ridder-Beardsley
Zoe Elizabeth Van Buren

Geography
John Aron Sandell

Global Studies
Hailey Jo Altena
Kristal Bird
Matthew Zane Clute
Kathryn Hewitt
Jason Scott Jones
Ashley Elizabeth McDermott
Stephanie Metzen
Benjamin Joseph Midas
Maja Muminagic
Silviya Milcheva Nitsova
Barbara Santibanez
Annas Shaker
Georgia Noelle Stahl
Alison Sara Tomas
Victoria R. Whitson

History
Danielle Michelle Balderas
Allison Gose
Carol Prince
Kristin Marie Sargeant
Daniela Rose Passannante Weiner

Linguistics
Hui An
Xue He
Anissa Nicole Neal
Daniel James Seabrooks
Ye Zhao

Mass Communication
Mariana Abdalla
Yasmin Bendaas
Mary Lindsaye Boyd
Gabriel Eduardo Calvo Maisonnave
Lauren Frances Haller
Aleah M. Howell
Lynn Ross Izlar
Keith Anders Larsen
Michelle Lotker
Chanda Denee Marlowe
Pablo Andres Mino Navarrete
Jessica Pikowski
Deanna Rose Puglia
Tatiana Quiroga
Elizabeth Ann Schlemmer
Kiersten Joy Schmidt
Anna Clare Spelman

Musicology
Michelangelo Segretario

Philosophy
Aliosha Celeste Barranco Lopez
Christopher Sidney Blake-Turner
Philip John Bold
Elizabeth Reynolds Brassfield
Alexander Joseph Campbell
Matthew Hernandez
Daniel Kokotajlo
Joanna Lawson
Sylvie Ramirez
Eric Travis Sampson
Alfredo Watkins

Political Science
Anna Elizabeth Brashear
Jessica Emily Buddi
Liam David Deering
Lauren Alaina Gaillard
Brittany Lynn Griese
Brett Michael Hurst
James Cliff Keller
Elizabeth M. Lyons
Jessica Annette Parks
William Johannes Wesselhoeft

Psychology
Cameron Makensey Doyle
David Parry Findley
Melissa Rachel Grimes
Jason He
Nathan David Markiewitz
Arundati Nagendra
Jonathan T. Parsons
Heidi Anahi Vuletich

Public Policy
Paige Alyse Clayton

Religious Studies
Andrew Mark Hagstrom

Romance Languages and Literatures
Henry Parker Brookie
Erica Nicole Diamond
Johnny Francis
Jhonn Nilo Guerra Banda
Donald Miller McLean III
Olivia Grace Naeger
Elisa Salemi
Derek Scott Segebarth

Sociology
Nathan Tilghman Dollar
Alanna Beth Gillis
Iliya Gutin
Ahsan Kamal
Meng-Jung Lin
Max Louis Reason
Katherine E. Tait
Brionca Taylor
Katherine Isabel Tierney
Janelle Viera
Caiping Wei

Technology and Communication
Paula Brown-Williams
Samantha Reimer Carpenter
Ashlie Brook White

MASTER OF CITY AND REGIONAL PLANNING
Jonathan Sungjun Ahn
Katharine Ann Baumann-Mitchell
Christopher David Bendix
Erika Claire Brandt
Daniel McEachern Bullock
Austin Christopher Chowdhury
Erin Lee Convery
Peter Edward Gorman
Racheal Hammond
Sumner A. Handy
Michelle Kelleher
Shati Khan
Carl Philip Kolosna
Tianyuan Liu
Shamsa Mangalji
Sarah Elizabeth Martin
Taylor Stevens McAdam
Blake Elliott Montieth
Abigail Moore
Dennis Chase Nicholas
Jamar David Nixon
Sarah Prio Odio
Joseph Ehimare Omozokpea
Elizabeth Anne Packer
Jonathan Bernard Peterson
Niranjani Radhakrishnan
Hannah Wanat Reckhow
Ashton Rohmer
Dana Nicole Schoewe
Joseph Frank Seymour
Taylor Ruth Smith
Trey James Talley
Patrick DeArman Welch
Rachel Stein Wexler
Allen M. Wood
Sarah Elizabeth Galaini Wraight
Yun Xin

MASTER OF FINE ARTS

Dramatic Art
Allison Campbell Altman
Daniel Marc Bailin
Kathleen Sara Castaldi
Benjamin Richard Curns
Adam John Curry
MaxAlenson Michel Epps
Mackenzie S. Kovaka
Schuyler Scott Mastain
Emily Maria Plonski
Jacob Walton
Myles Washington

Studio Art
Luke A. Firle
Wayne Marcelli
Jessica Joy Meyer
Vanessa Shannon Murray
Emily Jordan Smith
Louis Michael Watts
Lamar Javon Whidbee

MASTER OF PROFESSIONAL SCIENCE

Biomedical and Health Informatics
Jeffrey Barnes

MASTER OF SCIENCE

Biomedical Engineering
Jason Michael Brown
Claire Reisig Hall
Peter J. Mueller

Biostatistics
Junheng Gao
Melissa Hicks
Kyle Olin Mann
Rimli Sengupta
Natalie R. Smith
Amaanti V. Sridhar
Beibo Zhao

Chemistry
Allison Fields
James Vincent Giarrusso
Devin Michael Shaefer

Clinical Rehabilitation and Mental Health Counseling
Laura Cizek
Gared Micheal Deady
Kalvin Taylor Franklin Jr.
William Stewart Futch III
Sari Goldberg
Krystal Renee Graves
Rachel Lucille Hopkins
Jaclyn Elaine Jacobs
Kelly Kathryn Jerome
Amanda Estella Landry
Nick Mangieri
Amanda M. Novachek
Elizabeth Trout Parrott
Ashley Randall
Jordan Lee Richards
Emily Robinson
Jesse Lu Sykes
Connor Copeland Tripp

Computer Science
Tanya Marie Amert
Lee Austin Barnett
Yen-Chun Chen
Marc Cameron Eder
Cheng-Yang Fu
Christopher Rhett Griggs
Christopher Ronald Horning
Forrest Cui Li
Sheng Liu
Federico Menozzi
Micah Morton
Catherine Elizabeth Nemitz
Marie Louise Anita Nesfield
Tyler C. Newsome
Eunbyung Park
Patrick Lee Poirson Jr.
Tanmay Vitthal Randhavane
Sarah Elizabeth Rust
Stephen Tang

Dental Hygiene Education
Ahlam Ibraheem Joufi
Lauren Ashlee Kanzigg

Ecology
Adam Cameron Gold
Hannah C. Palko

Economics
Katy Ascanio
Jason Samuel Brent
Gonzalo De Asis Ruiz
David Alejandro Diaz
Calebede Oliviera Figueiredo
Anthony Travis Juliana
Yunxiao Liu
Wenting Ma
Alina Malkova
Lucas Argentiari Mariani
Abe Martin
Andrey Victorovich Minaev
Khoa Dang Nguyen
Jose Mauricio Salazar

Endodontics
Mark Shallal-Ayzin
Tam Minh Trinh
William Shing Tai Yeung

Environmental Sciences and Engineering
Anne Elizabeth Corrigan
David Evan Gorelick
Sharon Jiang
Sloane Kathryn Tilley
Michael Matthew Williams

Genetics and Molecular Biology
Kathryn Nicole Rehain
Caralynn M. Wilczewski

Geological Sciences Thomas Edwin Chapman
Timothy John Ronan

Management
Soumya Gayatri
Mariya Meshcheryakova
Francisco Dimas Pena Romera

Marine Sciences
Weida Gong
Gregory Dennis Sorg

Mathematics
Evan Brummet
Susan Kolim
Michelle Ann Randolph

Microbiology and Immunology
Ting-Jia Fan

Nutrition
Sharlene Dong
William David Green
Alberto Vargas

Occupational Therapy
Emily Victoria Hopper
Jonathan Russell Clement

Operative Dentistry
Eduard Epure
Caroline Uyen Khanh Nguyen Ngoc
Leslie H. Trippe

Oral and Maxillofacial Pathology
Sasha Malinchoc

Oral and Maxillofacial Radiology
Peter Thomas Green
Brittany Lynn Kurzweg
Li Zhen Lim

Oral Biology
Eman Khalid Hefni

Orthodontics
Ashley Teresa Hill
Christina Bonebreak Jackson
Christian Marie Johnson
Josiah Merton Rich
Ying Wan
Bryan Curtis Whitecotton

Periodontology
Elizabeth Lauren Campbell
Krystal Reyes-Viruet
David Paul Semeniuk

Pharmaceutical Sciences
Anna Magdalena Bieniek
Jonas Burns Daugherty
Mary Durham
Samuel Michael Eberwein
Erin May Escobar-Turingan
Terence Leo Johnson
Alexandria Lloyd
Bijan C. Mekoba
Mac Ovenell
Patricia A. Roberts

Physics
Jessica Barnett Barrick
Zachary Nasipak

Prosthodontics
Hugh G. Murphy
Anthony P. Prudenti
Kimberly Kocak Schlam

Speech and Hearing Sciences
Mary Elizabeth Bardin
Leah Marie Baumgart
Chrislain Bofill
Taylor Jane Bryant
Bridget C. Carlile
Thomas Ray Christensen
Christin Connelly Crowe
Alison Elizabeth Dey
Caley A. Edlington
Natalie Jean Fitzgerald
Sarah Elizabeth Griffin
Joseph Hall
Ching Yi Lam
Brian Wesley Martin
Kelsie Elizabeth Mitchell
Amy Michelle Munekata
Cally Orme
Lauren Lee Owczarzak
Sarah M. Plascyk
Megan Elizabeth Przybyla
Emily Catherine Rodgers
Alexandra Gyssela Rodriguez
Blair Schwab
Heather Ann Shelton
Nicole Amanda Steyl
Nancy Vallejo
Kevin Gar Jun Yu
Margaret Zenkel

Statistics and Operations Research
Aditya Balaram
Mengting Dai
Teague Rhine Henry
Cunyuan Huang
Jie Huang
Matthew Thomas Jansen
Lorienne S. Kim
Huilin Lu
Ruige Luo
Yuqin Mu
Karthik Prakhya
Yimeng Tianyao
Lingjie Wang
Xiaoyu Wang
Hongxia Yan
Wei You
Chuchu Yuan
Lu Zhang
Anna Lou Zhao

Toxicology
Rachel Elaine Johnson
Laura Word Taylor

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF ACCOUNTING
Carolyn Albright
Jacob Argent
Matthew L. Avioli
Elizabeth Bagwell
Michael Barnett
Tyler James Benson
Blake Berquist
Vicky Bham
Ethan Vincent Biamonte
Austin David Black
Seung Kyu Bok
Aaron Michael Bonertz
Edwin Brownrigg Borden
William Robert Bryant
Brian Alston Carman
Quinn Alan Carmean
Blake G. Carroll
Anna Catherine Chapman
Addison Chu
Nathaniel Bernard Clark
Miranda L. Clarke
Michael Colella
Michelle S. Corriveau
Elena Mary Covert
Carlie J. Cunningham
Andrew Roger Daughtridge
Roberto De La Vina Estrada Nora
Richard McAlister Deans
Mark Derrick
Sakire Nese Dogan
Christiansen Doucet
Brian Lee Douglass
Sarah Elizabeth Edwards
Alexia Maxine Ewing
Zhanlan Fan
Yazhi Fang
Kevin Patrick Fitzgerald Jr.
Hannah Irene Floyd
Jiayi Fu
Karmen Gardner
Andrea Lynn Gawkins
Alec Joseph Gawronski
Gregory James Gehsmann
William Walton Gibbons
Matthew Gilmartin
Hailey Caroline Glover
Sara B. Green
William T. Greene
Zachary Christian Grieb
Seth Holden Guge
Justin Taylor Hammond
Elana Rachel Harris
Stephanie Ross Hemphill
Hector Daniel Hernandez-Lopez
Robert Frazer Hinman
Joseph Scott Holzmeister
Alexander Michael Hoopes
Brooke E. James
Andrew Guy Bateman Jessup
Eileen Jiang
Colin James Johnson
Marc Jared Karpinos
Daniel R. Key
Jeffrey Laforge
Matthew Laurino
Ian Enrique Lay
Donna Moore Lemons
Daniel Robert Lewis
Peiling Li
Xiaoshuang Li
Reid Radford Livingston
Allison Mae Lizotte
Robert Warren Maston
Latavia Jamelle McGee
Colin P. McKenna
Ryan David McMahon
Marques Ray McPhail
Christopher Evan Miller
Manoj Mirchandani
Stuart Allen Moody Jr.
Patrick Joseph Munchel
Taylor Alan Niblock
Rishin Nitin Patel
Alison Rae Pattishall
Michaela Pavlusik
Sharon Kendall Pistole
Jared Quenzel
Caroline Catherine Raper
Rickell Reid
Katharine L. Rice
Ryan Romaine Richardson
Jianing Rong
Eric B. Sachs
Edward Craig Santos
Anna Sophia Elizabeth Schoeman
Zachary Owen Schumacher
Scott Matthew Singletary
Kerry Michael Sledge
Zachary Jonathan Smathers
Christopher Evan Snowden
Kenneth Alexander Spence
Neal Cousineau Spencer
Shannon Nichole Spillane
Caroline Stone Sprecher
Benjamin David Starr
Austin Hunter Stephens
Mark Edward Storey
Jason Scott Sturdevant
Marybeth Sullivan
Benjamin Daniel Sutherland
Austin J. Telling
Mitchell M. Underwood
Heting Wang
Mengchan Wang
Nancy Wang
Yixuan Wang
Madison J. Williams
Matthew Brian Williams
Cathy Picardal Wood
Haopeng Yan
Young Seung Yoon
Yidi Zhou

MASTER OF BUSINESS ADMINISTRATION

Andrew Aboona
Austin P. Adams
Vikash Agarwal
Rodrigo Caniatti Albuquerque
Rahila Sana S. Ali
David Lucas Allen
Douglas E. Allen
Diego H. Angarita Horowitz
Barney Jonathan Aronoff
Aasiq Bachu
Jason Scott Banks
Luca C. Barber
Laura Ann Bartos
Alejandro Baruh
Joseph D. Beck
Jonathan W. Behrendt
Manuel Alonso Benavente Loayza
Emily Lane Bernard
Frank R. Berndt
Blake J. Bickmore
Michael Biron
Thomas J. Bloom
Egor Bobkov
Drew David Boesel
Edward J. Bonner
Adam Henry Bosma
Hailey M. Boushey
Scott W. Boyce
Joshua Branham
Cameron E. Braun
Brian Thomas Brooks
Walter B. Burwell
Angela Cai
Allison S. Callahan
Catherine Darden Callaway
John A. Capple
Kenneth Michael Carter
Nicholas Alexander Cato
Jane Densmore Chaffee
Nathan Chambers
Ka Lei Chan Ng
Raymond D. Chaudoin
Joann Chea
Alex Chien-Pu Cheng
Vinayak Chhangani
Jiwon Cho
Karishma Chopra
Antra Chowdhury
Andrew R. Christian
Chadd M. Citron
Russell H. Clarke
Alison O. Clement
Graham B. Clinton
Melissa Clough
Devin Cohle
Corey Lynn Compton
Andrew J. Conrad
Travis Owen Cooke
Paul M. Cooper
Stephen Coppins
William J. Cox
Shannon Cummings
Colin David Curlee
Cindy E. Curtis-Rivera
Joseph Eastland Davis
Ronaldo De Noronha
Bridget Claire Dean
Mugilan Deenadayalan
Trevor C. Dewey
Anthony Diaco
Nicholas Michael Didow III
Joseph M. Dillon
Alby Ximena Dongo Barsallo
Mitchell Alexander Dudas
Catherine E. Easter
Robert V. Edwards
Gad Eidels
Evan C. Fairmont
Michelle Anne Cardinali Fenske
Ali Farahmand Hassanzadeh
Luke Ferrel
Martha A. Figueroa
Ivan Filippov
Darcy Christine Fiscella
Ricky L. Fisher
Albert Trevor Flor
David R. Freeman
Benton Thomas Fuller
Sneha Ganneri
Akshay S. Gantola
Jose Marcos Garakis
Pierce T. Gaynor
Ryan Taylor Geach
Shawnika D. Giger
Sharlene Gill
Andrew S. Gillette
AnneElizabeth Grace Gintzig
Alain C. Glanzman
Jamie M. Glasser
Mansi D. Goel
Peter Gorman
Vinayraj Govindraj
Christopher P. Graham
Stephanie E. Graham
Charlotte Brooke Guice
Abhishek Gupta
Akrati A. Gupta
Melissa B. Hanson
Shrikant S. Harkare
Benjamin Harris-Kornblith
Susan Lawrence Hedglin
Brett A. Hedin
James G. Hendershot
Omar H. Henry
Laura Hensler
Joseph G. Hiatt
Kojiro Higaki
Peter M. Hill
David A. Hilst
Scott C. Hockemeyer
Dustin M. Holm
Benjamin K. Holmes
Christopher J. Holtkamp
Alberto Hooker De La Peña
Pei-Chin Kelly Hsu
Qingwei Hu
Jonathan M. Huffman
Ryan J. Hughes
Matthias R. Hunkeler
Amanda P. Hynous
Kohei Ichise
Hisato Ishizaki
Kiyokazu Ishizaki
John W. Jackson
Tushar Jain
John Jalbrzykowski
Wooyoung Jang
Beibei Ji
Leilei Ji
Hanul Jin
Charles R. Jury
Alexandre Kagan
Yannan Kang
Brad M. Kantrowitz
Anuj Kapur
Victoria Eileen Kasten
Charles Kaufman
Gursheen Kaur
Rebecca Kaye
Nicholas Joseph Kehoe
Jonathan L. Kelly
Peter R. Kelly
John W. Kilborne
Garam Kim
Ik-Jun Kim
Connor McVay King
Logan L. King
Aakrati Kinger
Christopher R. Knapp
Alexander Koss
Colleen R. Kottlowski
Ross A. Kramer
Michael Krasnopolsky
Aadithya Krishnan
Amritha Krishnan
Masayuki Kubota
John Paul Kuppler
Gregory F. Lane
Jared A. Lang
John E. Lash
John H. Lents

MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Jared D. Levy
Robert Liford
Apollon P. Limberatos
Wen Jie Lin
Caroline Lamb Lindley
Keith B. Lofland
Bryce A. Long
Sarah R. Madden
Deanna Maglione
Michael T. Mangano
Josephine Ibea Manlangit
Bravitt J. Manley
Prerana Manvi
Aditya Maruvada
Andrew M. Matheson
Benjamin Franklin Matthews III
Cassandra Corbyons Mazzaferro
Elizabeth McCain
Arthur Crosswell McCall II
Miles Joseph McCormick
Matthew James McCusker
Brett J. McFarland
Allison Talley McNamara
Donald McPherson
Christopher Carrington Mellor Jr.
Shannelie M. Mendez Carlo
Anisha Menon
Jamen K. Miller
Saleh Mohammad
Lauren Eney Montagne
Rebecca E. Morgan
Caroline A. Moriarty
Jill N. Murphy
Manoj Muthavarapu
Spandana Nagireddi
Sumanth Vasant Nayak
Matthew Newberg
Meital Nissel
Apoorva Nivargi
Le Vert A. Novak
Carolina Nucamendi Maldonado
Michael O'Brien
Kelsey F. Odom
Frederick G. Ogden
Michael C. Oliver
Borhan Oskoorouchi
Charles J. Overly
Tessa M. Paganini
William W. Pan
Megan Logan Papadopoulos
Panagiotis A. Papadopoulos
Aditya S. Parikh
Paul A. Parske
Dharti Patel
Nirmit S. Patel
Rushir Patel
Sowmya Pattath Kumar
Luke D. Patton
Christopher J. Paucek
Kyle Payne
Daniel Pelichek
Devon G. Pennington
Scott J. Petralia
Victoria Lynn Phillips
Naruporn Phuangsiri
Connor L. Pierce
Pranav D. Pimpley
Kyle Proctor Pinheiro
Christopher J. Poiter
Michael A. Pollock
Kristopher D. Poor
Julie A. Porter
Richard I. Porter
Leonardo Porto Ottoni
Kristen Poulin
Zachary Bayard Powell
Shravan Prasad
Abhaya Pratap Singh
Tyler T. Price
Tusharika Pulla
Katie L. Quigley
Elise Natalie Radolf
Samvith V. Rao
Kevin A. Raspet
Hareesh Krishnan Ravi
Anthony W. Rediger
Lauren Braswell Reed
Alexander DeWayne Rhoads
Bailey R. Richards
Nicholas A. Richardson
Matthew Richmond
Benjamin Alan Ricks
Katherine B. Riedel
Michael S. Roberts
Martin Rojas Hacker
Robert Rowe
Devon A. Rubenstein
Matthew Russell
Timothy E. Ryan
Mary R. Saclarides
Jungo Saito
Kathryn M. Sakalosky
Jenny San
Reid A. Sanborn
Echo D. Sandburg
Suman Sarma
Urmila Sathe
Sara Scheller
Kelli A. Schrade
Paul Scott
Daniel J. Seiden
Rajan Seth
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Nicholas James Gray Britt
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Shrivar Ramlakan
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Nikki Kathleen Murdoch
Allison Claire Murphy*
Shaylyn Kinslow Murphy*
Daniel Griffin Nett
Sharon Mattie Nunn*+
Jessica O'Connor*
Sara Nicole O'Han
Catherine Marie O'Neill*
Allison Louise Orman*
Wyatt Sherrill Packer
Pooja Sundararajan Panduranga*
Alexa Reece Papadopoulos
Sara Tait Papantonio
Idris Jarely Parada Justiniano
Alexandra Marie Paré*+
Julia Paige Parrott
Karishma Mukesh Patel
Elly Penning
Emily Catherine Perry*
Hannah Michenzie Petersen*++
Alexa Ashworth Phillips*
Lanie Kathryn Phillips
Austin Pifani
Boguslava S. Pisarskaya
Samantha Marie Polito
Ashley N. Pollard
Abbington Kimball Pope
Jessica Caitlin Porter*
Robert Laurence Poston*
Victoria Price*
Emily Franklin Rand
Kate Alden Rand*++
Eryn Rachel Ratcliffe*
Robert T. Rechner*
Madeline Brooke Reich*
Riley Neville Reid
Ashlen Elizabeth Renner*
Kealia Eumi Reynolds*
Alexandra Lauren Richardson
Charise Akira Roberts*
Elizabeth Emerson Robins*
Avery Nicolas Rodriguez*
Mary Campbell Rouse*
Sara Salinas*
Gentry Jean Sanders*
Siena Nicole Scarbrough
Danielle Erica Schaefer*
Lindsey Kathleen Schaefer
Zoe Ellers Schaver*++
Evan Graham Schmidt
Mackenzie Elizabeth Schmidt
Nadia Sally Schmidt
Cecilia Aurora Schnobrich
William Dwight Schoeffler
Sonia Lee Schrager*
Cara Ann Schumann
Justin Ryan Scism
Caitlin Elizabeth Scurria
Patrick Andrew Seelinger
Nathan Bellomy Sessions*
Samantha Renee Sharp
Mekidelawit Shewangizaw
Rebecca J. Shoenthal
Laura Shurna*
Devin Nicole Simpson
Amanda Mae Sisk
Kelli Raye Slaughter

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Jared Anthony Smith*
Mattina Marie Smith
Wesley Gray Smith*
Hannah Grace Smoot
Rachael Nicole Snapper
Chandler Paige Snider
Joseph Augustus Sojka*
Lindsey Ann Sparrow
Marley Elizabeth Spence
Elizabeth Corrinna Stegall
Elizabeth Adelaide Stephens
Elizabeth Stine
Christina Antonia Stone*
Jamie Lefanu Stuart
Samantha Elaine Sugerik
Anderson Blair Sullivan
Emily Dushane Sullivan
Savannah Dianne Sutor
Morgan Deweese Swift*
Sophia Corrinne Tager*
Morgan Elizabeth Tate
Alicia M. Taylor
Brantley Burns Taylor*
Langston Isaiah Taylor
Martha Caroline McKellar Taylor*
John H. Thomas*
Brett Richard Thompson
Sarah Kathryn Thompson*
Sydney Alexis Tillman
Gage Steven Tillotson
Grace Margaret Timothy*
Taylor Marie Torcasso
Morgan Elizabeth Trachtman*
Keagan Rayne Trahan
Julia H. Travers*
Atayal Tu
Ellen Erskine Turner*
Logan Ulrich
Sarah Michele Vassello
Jeremy Austin Vernon
Jane Elizabeth Violette*
Annie Michelle Wainer
Michael Sims Walker*
Liza Kate Wall
Danielle Wallace
Lucas Holton Clifton Walsh
Alexis Nicole Walters
Caroline Starratt Warburton*
Caleb James Waters
Caroline Lee Waters
Caitlin Rebecca Watkins
Vanessa Monique Watson
Audrey Aliese Wells
Hannah Abbott Westervelt
Mikala Ashlyn Whitaker*
Brandon Michael White

Sarah Hollingsworth Whitmore*
Kara Wiley*
Patrick Hayden Wilson
Sade Latasha Samanth Wilson
Ryan M. Wilusz*
Miller McKimmon Winston*
Matthew Austin Wotus
Erin Therese Wygant
Jane Aliza Zorowitz*

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE

John Robert Agres*
Brianna Danielle Bruce
Mackenzie E. Collins
Ebony Joy Cooke
Jennifer Marie Dorman*
Madeline Clark Fletcher*
Ricky Po-Cheng Ho
Nadia Mohamed Issa
Matthew Daren Lillis
Joseph Evander Locklear*
Jena Mary Seddon*
Jay Stringer*
Amanda Brooke Vergnetti

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE

Felicia Nicole Branch*
Luke Christopher Brogden
Vimy Dang
Arthur L. Hicks Jr.
Danielle Kristen Isetts*
Chelyn Lee
Jessica Ann Meyers
Priya Chandrakant Patel
Michael P. Porson
Miranda Leigh Rosser
Julia Schwabrow*
Denisa Savannah Taylor*
Lindsey Walker
Joseph Daniel Ward
Christopher A. Watson

The School of Nursing

ESTABLISHED 1950
Dean Nilda Peragallo Montano

BACHELOR OF SCIENCE IN NURSING

Betty E. Aguie*
Emily Claire Almond*
Ashley Amodei
Katie Amuchastegui*
Noemi Josefa Arias
Amanda Rose Assante
Deanna L. Babcock*
Julia Gaelyn Baldiga*
Emily M. Beaty
Abigail Jill Bennett*
Dakota Bentz*

Leah Joan Berolzheimer*
Courtney Whicker Berry*
Allie Elizabeth Billings*
Jessica Lynne Blalock
Cristiana Gresham Bray
Emily Grace Brozowski*
Hillary Elizabeth Bush*
Annie Jane Butler*
Catherine Nicole Campbell+
Anna Leigh Carter
Regina Cascarano
Charlyn Rafanan Ciesco*
Brian Michael Clark
Meredith Clendaniel
Latronda Coble
Austin Lewis Cole
Abigail Marie Coles*
Kathryn Emilie Courter*
Katherine May Coury*+
Miranda Kaitlyn Daniels*+
Julia Glidden Day*
Julia Del Valle
Elizabeth Hope Doggett*
Fatima Rose Lasala Domagtoy
Shawna Dwyer*
Emily P. Emerson
Crisma Jazmin Emmanuel+
Kirstin Nicole Emmert
Carrie Endara*
Stefanie Esteves Rosado*
Marco Fajardo*++
Alan Scott Fanning*
Kathryn Rose Fedder
Hannah C. Fischler*++
Taylor McKenly Fleming*
Sarah Temitope Ony Folorunsho
John Thomas Fraser
Genevieve Clayton Freeman+
Candice June Fritz
Courtney Lynn Gaddy*
Morgan Faith Gatlin
Zachary Blaine Gerber*
Madeline M. Gillon*
Katherine Ann Gilmore*
Mary Angel Guevara
Donald Thomasson Haire
Jay Joon Han
J'Woin Maalik Harrison
Laura Catherine Haulsee*
Juliana Herrera
Lauren E. Hitchings*
Caitlin Nicole Honaker
Sabrina Rose Hu*
Thomas Jacob Hunsucker
Courtney Elizabeth Hyland*
Haesu Jin
Angela Nicole Johnson
Rylee Ann Johnson
James Dean Jolly III*
Tyric Terril Jones
Tory Milan Kemp
Mary Kathleen Killela+
Michael Robert Kirkman
Alicia Lynn Mauney LaCombe*
Sarah Elizabeth Latham
Mackenzie Lawless
Julie Ann Le*
Alasia L. Ledford*+
Morgan Paige Lee*
Elena Legan*
Avery Christine Lindsay*
Xinqiang Liu
Paige Ellen Lloyd
Joshua C. Locklear
Ashleigh Lynn Luttrell+
Sosina Ayalew Mamo
Ingrid Elizabeth Marzuola*
Emma Elizabeth McFarlane*+
Jonathan Morrissey McGee*+
Meghan McLaughlin*
Bethlehem Haddish Meshesha+
Leeann Nicole Meyer*
Leah Ashley Mincey
Stephanie Lynn Mitchiner*
Alexis Dawn Moody*
Cierra Nicole Moody*
Alexandra Brooke Moore
Angela Nicole Moore
Lindsay Jean Morris*
Hanna Marie Moxley*
Jennifer Anne Nance*++
Eszter Anna Neumark*
Hannah Oara
Cindy Yamilet Palomo Muñoz
Kristine Ashley Pardus
Lindsey Grace Parks*
Kirsten Jade Parries
Amanda Sofia Perez
Victoria Marie Petermann+
Tuan Thanh Pham*
Nikki Rhea Phillips
Sara Devorah Planer*
Sroda Porter
Marcia Elaine Prince
Carter Kemper Quinn
Morgan Nicole Redick
Rachael Marie Robinson*
Mark Jonathan Russell
Morgan Elizabeth Salmon*
Summer Nicole Sanders
Amanda Caroline Shearin
Audrey Megan Shearin
Emily J. Shermanski
Kendell Ann Silveira
Holly Simser
Brittany Nicoll Smith
Natalia Louise Smith
Elizabeth Jaffran Soukup
Angela Christin Stumph
Devereaux Howell Swaim*
Porsha Mar'Shea Tate*
Allison Carey Tella*
Abigail Irene Tepper*
Nicola Jane Thomas*
Kathryn Lillard Thomason*
Lauren E. Tripp
Grace F. Tueffel*
Laura Hewitt Tuson*
Justin Gray Tuttle
Amy Suzanne Vanderplow
Ian Frank Marc Verhaeghe*
Nora Esther Reid Weatherby
Erin Nicole Welsh
Lindsay A. Wieczorek*
Jonathan Noah Williams*++
Anna Gates Winslow
Hannah Elizabeth Wood*+
Ryan Elizabeth Woodard*
Joseph Francis Woodruff*
William Roy Woods
Allie Spenser-Gray Woody
Lilly A. Yuan

The Eshelman School of Pharmacy

ESTABLISHED 1897
Dean Robert A. Blouin

BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES

Genevieve Nkiruka Anakwe-Charles
Melissa A. Beers
Felicia Renee Britt
Anna B. Burke
Daniel James Cardin
Sarah Chao
Lindsay Cooper
Morgan Elizabeth Cox
Sadie Jo Cunningham
Megan C. Cuomo
Emily Catherine Darst
Valerie Leshea Devore
Adam P. Dickinson
Maria Jin Dong
Sabrina Dunham
Charlotte Morgan Forshay
Tieumy Tong Giao
Hannah Goulding
Erin Greene
Sarah H. Griffin
Jessica E. Holleman
Michael R. Hughes
Michael Jones
Allison Elaine Kupsh
Jack David Ledford III
Ina Liu
Ashley Elizabeth Henson McKnight
Paige Lund McLendon
Jared T. Michael
Ashton Page Pierce
Stephanie Anne Salch
Shawn Ordanel Streeter
Mark Robert Tiffany
Catherine E. Travis
Erin Wei
Keith Mun-Keat Yon

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Biostatistics

Townes Bouchard-Dean
Caroline Barker Broadwell*
Elizabeth Crenshaw Chase*
Julia Whipple Gallini*
Nicole Lauren Gonzalez*
Pooja L. Iyer*
Lindsey Subin Jung
Farvah A. Khaja*
Mengbing Li*++
Ryan Nolan McCarthy
Meaghan Lauren Nazareth
Nathaniel Mitchell Putnam*
Jeremy Morris Saxe
Aditi Senthilnathan*
Yaoxuan Xia*++
Ayesha Ziaullah*

Environmental Health Sciences

Martha Elizabeth Blue*
John Robert Cordes*++
Monal Dinesh Depani*
Blake Fulton

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++ *Indicates Highest Honors recipients.*

Gabriella Noel Gallo
Amy Zhang Guo*
Eleanor Bailey Holmes*
Emma R. Kelly
Andrew Joseph Koltun*
Abhishek Raman Komandur+
Joseph Peter LaRochelle
Megan Elizabeth Jane Lott*
Emily Marie McCrorie*
Claudia N. Meyer*
Cameron Morrison*
Joshua Wang Mu*
Madeline Jean Pliska
Alexandra Key Polk*
Alicia Carolyn Richards
Caitlin Anne Rose
Margaret Helen Rutherford*
Ryan A. Visser*
Lindsay Claire Wickersham*
Alexandra Claiborne Willcox*

Health Policy and Management
Alexis Lynn Amato*
Cecilia Tekla Blomberg*
Meredith Hanna Blumberg*
Rachel Elizabeth Bonesteel*
Blake Austin Byrne*
Shira Pauline Chandler*
Jesse Yonglu Chang*
Stephanie Ann-Wei Chien*
Meagan Susan Clawar*+
Mary Kinsman Cole*
Patricia Francis Daly*
Luzita Francis
Camille Nicole Fulbright
Gloria Ashley Gaines
Robert David Glover*
Amrithaa Mangala Gunabalan
Tyler Scott Hagan*
Victoria Katharine Hamby*++
Sarah Belle Hart*
Dana Katherine Hill
Catherine Page Howell
Halimatu Sadiyya Ingawa+
Leah Francesca Jimenez*
Jennifer Raylan Jin
Angel Luis Lopez-Collazo
Andrew Pyles McGee+
Brooke L. Namboodri*
Hannah Yayoi Saggau*
Haley Samuel-Jakubos*
Alexis Michele Scully
Aditya Shah
Aribah Masood Shah*
Breanna Paige Sharer*
Sophia Rose Sherman*
Benjamin Edward Shirley*
Caroline Smith*
David Bradley Spratte*
Jazra Marie Standley
Quinton Christopher Verchick
Alexander Adolphus Waddell
Payton Leigh Williams*

Nutrition
Kesha Unmesh Acharya
Kayla Nicole Boley*++
Tamar Chukrun*+
Steven Scott Doerstling*++
Emily Macourt Jenkins Fennell*++
Abigail Bishop Fisher*
Amina Lawal Garba*++
Katherine Anna Henning*++
Furquan Khaja*++
Rand Firas Khasawneh++
Yongkyum Kim*++
Claire Grace Lineberger*++
Courtney Michelle Lussier+
Jennifer Mei Lyu*++
Rachel Kasten Murray*+
William Robert Ostrom*++
Naishal Y. Patel*++
Omar Abdelnaser Labib Rezk*++
Usman Muhammad Saqib*++
Madison Elizabeth Watts*++
Maria Yao*
Alice Yunzi Ling Yu*+
Ottavia Zattra*++
Daniel Nouhad Zeitouni*++

Candidates Commissioned in the Armed Forces

MAY 2017

UNITED STATES AIR FORCE SECOND LIEUTENANT
Alexander Contarino
Alejandra Fontalvo
Connor Hamlet
Olivia Jones
Caitlin Malone
Estelle McQueen
Alexander Zorich

UNITED STATES ARMY SECOND LIEUTENANT
Tina Capelo
Michael Clemens
Taylor Edwards
Lane Dougherty
Daniel Jones
Kit Kenny
Andrew Milani
Jared Miller
Christine Rehbein

UNITED STATES MARINE CORPS SECOND LIEUTENANT
Isaiah Andrew Leiva

UNITED STATES NAVAL ENSIGN
Carter Jackson Bowman
Cordell Paul Andrew Corbin
Jacob William Crucian
Stuart Maris Lyster
Brian Francis Schmid
Samuel Hayato Smith
Sean David Standad

CANDIDATES *for* CERTIFICATES

May 2017

Undergraduate Certificates

The School of Dentistry
ESTABLISHED 1949
Dean Scott De Rossi

CERTIFICATE IN DENTAL HYGIENE
David O'Kelly James
Katrina Miriah Knapp
Suan Knapp
Abigail Memoli

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN COMMUNITY PREPAREDNESS AND DISASTER MANAGEMENT
Kristin Brockshus
Richard Ernest Carroll
Maegan Gourley
Jack Boyd Midyette III
Brian Charles Papajcik
Jennifer Ruth Tate

Postbaccalaureate Certificates

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

POSTBACCALAUREATE CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Alison Carpenter

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

POSTBACCALAUREATE CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Carol Annette Bales
Kathryn Rose Calderone
Albert Gnandt
Bryan Gregory Hatcher
Victoria Hudson
Hyang Hwa Oh

POSTBACCALAUREATE CERTIFICATE IN FIELD EPIDEMIOLOGY
Claudia Hodges

POSTBACCALAUREATE CERTIFICATE IN PUBLIC HEALTH LEADERSHIP
Erin Elizabeth Coomer
Keya Eaton
Lindsay Allison Edwards
Gwendolyn Hanchey Hall
Katelyn Matney
Kristen McHugh
Jennifer Pyrzanowski
Kyeshia Denise Robinson
Elkin Javier Salinas
Denise Byrd Shaver

POSTBACCALAUREATE CERTIFICATE IN PUBLIC HEALTH NURSING SPECIALTY
Roberta Moody

MEDALS, PRIZES *and* AWARDS

May 2017

Student Activities Awards

CHANCELLOR'S AWARDS

The Ernest H. Abernethy Prize in Student Publication Work
Danny Nett

The Eben Alexander Prize in Greek
Vittorio Bottini

The Peter C. Baxter Memorial Prize in American Studies
Megan Pallante

The Bernard Boyd Memorial Prize
Averyl Edwards

The Camões Prize in Portuguese
Joseph May

The James O. Cansler Service Award
Khin Oo

The Albert and Gladys Hall Coates Award
Cole Simons

The Cornelius O. Cathey Award
Sertanya Reddy

The George H. Cocolas Pharmacy Student Body Award
Jennifer Ku

The Chi Omega Award for Scholarship and Leadership
Catherine Blair

The Josephus Daniels Scholarship Medal
Brian Schmid

The Roger A. Davis Memorial Award
Jacob Kuo

The Paul Debreczeny Prize in Slavic Languages and Literatures
Leona Amosah

The Patrick F. Earey Award
Gabrielle Smith

The Marc Adam Eisdorfer Award in Linguistics
William Carter

The Edward Kidder Graham Award
Taylor Bates

The Frank Porter Graham Award
Keegan McBride

The Jane Craige Gray Memorial Award
Oluseun Omitoogun

Greek Alliance Council Award
Cecilia Pepper

The Boka W. Hadzija Award
Kirstin Frescoln

The I. R. Hagadorn Award
Anne Feng

The Hampton Shuping Prize
Craig Amasya

The Jacques Hardré Undergraduate Award for Excellence in French
Anna Taylor

The Edward McGowan Hedgpeth Award
Anna Dodson
Kaylyn Pogson

The Archibald Henderson Mathematics Medal
David Spencer

The George Moses Horton Award for Multicultural Leadership
Regan Buchanan

The Robert B. House Distinguished Service Award
Brittany Brattain

The Robert B. House Memorial Prize in Poetry
Sumeet Patwardham

The E. Eugene Jackson Award
Boateng Kubi

The James M. Johnston Distinguished Senior Award in the Nursing Program
Emma McFarlane

The James M. Johnston Distinguished Senior Award in the Undergraduate Program
Bronwyn Fadem

The Interfraternity Council Man of the Year Award
Morgan Pergande

The Alexander Julian Prize
Tracie Hayes

The Brenda W. Kirby Award
Johnny Vang

The Mary Turner Lane Award in Women's and Gender Studies
Justine Schnitzler

The Irene F. Lee Award
Danielle Spitzer

The Robert White Linker Award
Madison Alexander

The George Livas Award
Jennifer Nance
Sroda Porter

The Ernest L. Mackie Award
Travis Broadhurst

The Willie P. Mangum Medal in Oratory
Sasha Gombar

The George C. Marshall Award
Jared Miller

The McNally Award for Excellence in Geography
Tony Liu

National Pan-Hellenic Council Award
Mishana Sturdivant

The Howard W. Odum Undergraduate Sociology Award
Oluseun Omitoogun

Panhellenic Council Woman of the Year Award
Miller Winston

The John Johnston Parker Jr. Medal for Unique Leadership in Student Government
Harry Edwards

The Class of 1938 Joseph F. Patterson Jr. and Alice M. Patterson International Leadership Award
Savannah Wooten

The Wallace Ray Peppers Award in Performance of African and African American Literature
Ashlei Heffernan

The Marty Pomerantz Sport Clubs Council Achievement Award
Rachel Schwab

The L. Richardson Preyer Award for Excellence in Political Science
Lauren Kent

The Kenneth C. Royall Award
Caitlin Malone

The Louis D. Rubin Jr. Prize in Creative Writing
Christine Lloyd

The J. Maryon Saunders Award
Maribeth Blonchek

The Paul E. Shearin Outstanding Senior Award in Physics
Sheridan Green
Chiara Salemi

The Earl Slocum Band Award
Kenneth Weber

The Keith Shawn Smith Award for Community Development and Mentorship
Nyla Numan

* *Chancellor's Award*

The Walter S. Spearman Award
Peter Cooke

The Algernon Sydney Sullivan Award
Juliana Ritter

The Ria Stambaugh Undergraduate Award for Excellence in German
Nathaniel Wagner

The Sterling A. Stoudemire Award for Excellence in Spanish
Enrique Santacruz Toloza

The Albert Suskin Prize in Latin
Gabrielle Smith

The Jim Tatum Memorial Award
Hayley Carter

The Ferebec Taylor Award
Shafali Jalota

The Undergraduate Prize in Art History
Meredith Miller

The Undergraduate Prize in Economics
Ariana Vaisey

The Venable Medal
Stephanie Liffland

The Op White Prize in Geology
Emma Blackwell

The Worth Award
Jake Rohde

STUDENT ORGANIZATION AWARDS

Carolina Center for Public Service

APPLES Undergraduate Excellence Award
Luis Cristian Acosta

Buckley Public Service Scholars
Kesha Acharya
Luis Cristian Acosta
Abena Adu-Nyako
Sahar Alimohamadi
Sajan Y. Amin
Leona Aisha Amosah
Ranjitha Ananthan
Brittany Anderson
Tia Andrade
Hannah Angle
Ronnie Armstrong Jr.
Akanksha Arora
Tirthna Savajibhai Badhiwala
Leah Baker
Mahnoor Baloch
Madison Ann Barnhart
Lindsay Denise Barth
Jacquelyn Beatty
Timber Grey Beeninga
Winston Arthur Bell
Sarah Ellyn Boland
Townes Bouchard-Dean
Nicholas James Gray Britt
Pamela Brody
Sarah Brooks
Nicole Marie Brown
Maggie Brownrigg
Grace Busby
Morgan Lindsey Bush
Natalie Maric Cabo
Kayla Joe Campbell
Vanessa Canuto
Michael F. Caragher
Anna Davis Caudill
Jacqueline Ceron Hernandez
Shira Pauline Chandler
Stephanie Ann-wei Chien
Kristen M. Chung
Alexander Clayton
Achsah Renee Nicole Coleman
Carly Marie Collette
Graham Collins
Marissa Brooke Cranford
Mary Kate Crawford
Giulia Raffaella Curcelli
Snigdha Das
Laura Elizabeth Diez
Ana Cutts Dougherty
Veronica Edmonds
Whitney Kay Edmonds
Hannah Stein Eichner
Obinna Lucky Ejimofor
Halie Ellinger
Raina Danielle Enrique
Daniel Andrew Farrell
Jessica Feeley
Elizabeth Ann Ferguson
Jessica Maria Ferrall
Elizabeth Anne Fleischer
Taylor McKenly Fleming
Rachel Leigh Floyd
Morgan Focas
McKenzie Sean Folan
Hannah Kathryn Forbes
Lauren Rokavec Fotsch
Hallie Jo French
Gloria Ashley Gaines
Amina Lawal Garba
Dana Gentry
Kevin Davis Giff
Laura Wells Gill
Francesca Elena Maddy Gines
Nicole Gonzalez
Austin Dean Gragson
Rose-Helen Xiuqing Graham
Emily Isabel Shipley Granados
Casey D. Grant
Virginia Keaton Green
Jacqlyn Grilli
Kajal Rosy Grover
Amrithaa Mangala Gunabalan
Grace Elizabeth Gunter
April A. Hamer
Joshua Frazier Hanover
Matthew William Harris
Sarah Belle Hart
Sara Heikal
Sarah Henderson
Katherine Anna Henning
Gemma Guadalupe Herrera
Molly Castleton High
Paige Hines
Lauren Elizabeth Hitchings
Lindsey Holbrook
Taylor Rena Howard
Addie Humphrey
Martha Isaacs
Christopher Thomas Jadelis
Abigail Martinez Jaimes
Jordan Caroline Jarrett
Kelly Lynn Jasiura
Ashley Nicole Jenkins
Sarah Carter Jessup
Phillip Montgomery Jester
Wendy Kally Ji
Leah Francesca Jimenez
Hannah Louise Johnson
Benjamin Laird Hutton Jones
Amara Gabrielle Jordan
Sydney Grace Kalin
Anthony Kan
Colleen Kane
Kimberly Mewborn Keiter
Briana Nichole Kelly
Lauren Grace Kent
Samantha Kerker
Maleeha Mahmood Khan
Priyenka Khatiwada
Brooke Jacqueline Kilker
Audra Rose Killian
Kathleen Grace Kilmartin
Isabella Hye Eun Kim
Abigail Deborah Kinnaman
Harrison Lancaster
Amy Lee
Kenneth Lee
Jeeun Noelle Lee
Sheng-Shin Christina Lee
Bryan Brinton Lester
Leslie Leung
Sian Li
HueyShan Lin
Samantha Elise Link
Jade Loendorf
Abel Lomeli-Garcia
Sarah Katherine Long
Daniela Lopez
Selina Jaime Lopez
Robin Lowe-Skillern
Oliana Luke
Ryan Lupo
Jonathan C. S. Lynn
Amy Katherine Lyon
Dory Julia Gellins MacMillan
Kaitlyn Maddox
Esther Oluwatoni Madugu
Sydney Rowan Mark
Elizabeth Matulis
Adrienne Lynn Than Maung
Morgan Ashley McLaughlin
Cherise Drusilla McManus
Oscar August Menzer
Emily Yvonne Milkes
Sydney Mitchell
Leslie Moen
Brianna Nichelle Moody
Jenn Morrison
Austin Michael Mueller
Caroline Nagy
Christine Keeyoon Nam
Meaghan Nazareth
Abigail Neal
Ching Yi Ng
Phuong Dinh Truc Nguyen
Lucas Nielsen
Manuela Nivia
Morgan Elizabeth Noel
Lauren Norris
Katherine Laine Nuccio
Jessica Rose O'Hara
Khin Oo
Hailey Amanda Orgass
Sara Papantonio
Mary Eloise Pate
Anjani Patel
Janki Rajendra Patel
Billie Rainley Patterson
Ambika Paulson
Jordan Peterkin
Sarah Savannah Peters
Madeline Jean Pliska
Kaylyn Beatrice Pogson
Claire Elizabeth Poindexter
Jessica Caitlin Porter
Vickie Erin Poulimenos
Gustell A. Preston
Sarah Elizabeth Pupa
Emily Reckard
Rashiidah Richardson
Brian Christopher Riefler
Gray Rodgers
Hannah Yayoi Saggau
Pranavi Sanka
Justine Orlovsky-Schnitzler
Caitlin Schwagerl
Joseph A. Schwind III
Veronica Sever
Caitlin Mateer Seyfried
Aribah Masood Shah

* *Chancellor's Award*

Dhara Shah
Christopher Tyler Sharp
Julia Shen
Thomas E. Shockley III
Kendell A. Silveira
Brooke Mackenzie Sobolewski
Sofia A. Soto Sugar
Rithi Sridhar
Madison Sarah Stark
Elizabeth Stine
Christina Antonia Stone
Reyanne Nichole Strong
Srilekhya Sure
Nirja Sutaria
Laurel Anne Sykes
Exornam Angela Tettey
Kathryn Elisabeth Thomann
Enrique Toloza
Kiera Brigh Turner
Samantha Michelle G. Ty
Jason Urbano
Katherine Marie Vaughn
Jayasri Vijay
John Charles Von Drasek
Joseph Blake Wall
Jonathan Taylor Wall
Christopher Bin Wang
Stephanie Nicole Wangerin
Colleen J. Watson
Madison Elizabeth Watts
Erin Nicole Welsh
Mikala Ashlyn Whitaker
Julia Elaine Whitfield
Jared Douglas Williams
Margaret Alice Williams
Catherine Diana Wilsnack
Matthew Gray Wilson
Caroline Aunspaugh Woronoff
Juliana Rae Wulforst
Elgin Yalin
June Grace Yang
Maria Yao
Garrett Young-Wright
Lilly Alice Yuan
Morgan Zemaitis
Ting Zhang

Davis Projects for Peace Award
Robert Alfredson

Mingma Norbu Sherpa Fellowship
Anna Stamatogiannakis

The Dialectic and Philanthropic Societies

*The Willie P. Mangum Medal in Oratory**
Sasha Gombar

Office of Fraternity and Sorority Life and Community Involvement

*Greek Alliance Council Award**
Cecilia Pepper

*The Interfraternity Council Man of the Year Award**
Morgan Pergande

*National Pan-Hellenic Council Award**
Mishana Sturdivant

*Panhellenic Council Woman of the Year Award**
Miller Winston

Office for Undergraduate Research

Carolina Research Scholars
Morgan Andrejchak
Joshua Blair
Marketa Burnett
Amelia Susanne Bruce
Grant Hayden Cabell
Corryn Nichole Chaimowitz
Kathryn Citrin
Kathleen Hays Connell
Akshay Daji
Snigdha Das
Laura Diez
Hallie French
Austin Gragson
Destinee Hope Grave
Tracie Elizabeth Hayes
Jennifer Jensen
Leah Johnson
Makaela Jones
Priyenka Khatiwada
Adam Kunesh
Mark Laird
Amy Lee
Michael Lin
Zachary Daniel Locklear
Ryan Lupo
Lucas Nielsen
Stephanie Esosa Okonmah-Obazee
Jennifer Marie Perry
Milena Protti
Emily Reckard
Austin Cody Rick
Dana Rodriguez
Anita Simha
Danielle Spitzer
Claire M. Storey
Katarina Swaim
Enrique H. Toloza
Christopher Bin Wang
Emily Watson-Cook
Ottavia Zattra
Daniel Zeitouni

SONJA HAYNES STONE CENTER FOR BLACK CULTURE AND HISTORY

*The George Moses Horton Award for Multicultural Leadership**
Regan Buchanan

OFFICE OF DISTINGUISHED SCHOLARSHIPS

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Benjamin John Kompa

Ertegun Scholarship
Sumeet Chandrashekhar Patwardhan

Luce Scholars Program
Martha Butler Isaacs

Schwarzman Scholars Program
Jialing LingLing Jiang

Burch Program and Honors Study Abroad

2016 Burch Honors Fellowship
Sarah Kathleen Adams
Sarah B. Hart
Prakash V. Kadiri
Aditi Nivedita Senthilnathan

2015 Burch Honors Fellowship
Sophie Gentle Capshaw-Mack
Peter Vicars Cooke
Katharine Eleanor Gandy
Isabel Pinheiro
Dana Suzanne Rodriguez
Alexandra C. Willcox

2016 Carolina Blue Honors Fellowship
Kayla M. Miles

Robinson Honors 2016
Marcus Valcarce-Aspegren

UNIVERSITY DISTINGUISHED SCHOLAR GRADUATES

Advantage Scholars
Bonnie Meyer
Madison Stark

Mark Braswell Distinguished Scholars
Andrew Bin
Alexandra Weber

Carolina Scholars
Robert Alfredson
Leona Amosah
Michael Arneson
Renwick Atkins
Sierra Atwater
Karissa Barrera
Lochlan Belford
Grayson Berger
Sarah Bonn
Jewell Brey
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Vivien Chen
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Jose Cisneros Perez
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Vena Holub
Skyler Jones
Omprakash Kadiri
Maryam Kazemzadeh-Atoufi
Paul Kushner
Kenneth Lee
Yundong Liu
Jonathan Lynn
Katelyn Merendino
Claudia Meyer
Felix Murithi
Morgan Noel
Michael Olson
Catherine O'Neill
Jennifer Perry
Zoe Schaver
Brianna Sikorski
Nicholas Temple

Eve Carson Carolina Way Scholar
Jonathan Reckford

Eve Marie Carson Junior Year Merit Scholarship
Madison Elizabeth Watts
Giszell Dymond Weather
Margaret Alice Williams

Chancellor's Science Scholars
Kirsten Adams
Anna Atencio
Sierra Atwater
Snigdha Das
Victoria Davis
Luke Fernandez
Gabriella Gallo
Alexander Gold
Amy House
Skyler Jones
Austen Kelly
Caellaigh Kimpston

Adam Kunesh
Zachary Locklear
Imani Sweatt
Chengyu Weng
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Coker-Fox Scholars
Annie Gray Dixon
Sophie McNichols
Miller Winston

College Fellows
Arjun Adhia
Adam Aji
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Alexander Gold
Akil Guruparan
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Joshua Mu
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James R. Copland Jr. and Lillian G. Copland Scholar
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Ottavia Zattra

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Jessica LoVerde
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Josephus Daniels Distinguished Scholar
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Iqra Javed
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Chandler Mason
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Susana Mirabedini Jaramillo
Kevin Ostrowski
Kaylyn Pogson
Aribah Shah
Alexander Siavelis
Katarina Swaim
Quinton Verchick
Madison Watts

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Landry Brown
Jade Chambers-Blair
Kadedriah Davis
Lucas Dehart
Bronwyn Fadem
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Audra Killian
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Micaela Kymer
Tony Li
Donald McLean
Jonathan Neff
Jonathan Raab
Ricardo Ruvio
Carson Sells
Noam Shemer
Charles Solarski
Molly Stein
Sarah Stott
Alicia Taylor
Akilah Williams

James M. Johnston Undergraduate Nursing Scholars
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Ashley Amodei
Charlyn Ciesco
Kathryn Courter
Sarah Folorunsho
Alicia LaCombe
Julie Le
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Rachael Robinson
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Katherine Campbell
Ethan Chu
Atticus Reynolds

Fred Morrison Scholars
Alexander Darden
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Kendall Weeks

Old Well Scholar
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Herbert and Mayme Pegg Distinguished Scholars
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Mauli Saini
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Alston Pleasants Scholar
Jazmin Alston

Joseph E. and Grace Needham Pogue Scholars
Felicia Branch
James Burris
Jacqueline Cerón Hernández
Halimatu Ingawa
Furquan Khaja
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Bethlehem Meshesha
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Katie Coletta
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Dayton Ellwanger
Mason Erb
Jordi Gaton
Tracie Hayes
Nataniel Holtzman
Joshua Horowitz
William Howland
Emily Janeira
Christopher Jenks
Annie Katsevich
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Samuel Kerr
Yongkyum Kim
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Benjamin Kompa
Patrick Lambert
Spencer Landfried
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Keegan McBride
Luke Miller
Meaghan Nazareth
Chase Rebarker
Anne Rutledge
David Spencer
Corey Su
Enrique Toloza
Young Yun
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Danny Hage
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Jackson Thompson

Marvin B. Smith Jr. Distinguished Scholars
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Ayoub Ouederni
Mikaela Sullivan
Jason Urbano

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Emily Nobles
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William Whitaker Distinguished Scholars
Hannah Angle
Samantha Cheek
Devin Finney
Katelyn Swan
Hannah Sykes
Qing Wei

Thomas Wolfe Scholar
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Kendall Lane Flanigan

GAA Scholars
Patricia McGee Dodson
Christina Williams Farrell

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Charity Lackey
Shannon Elise Paylor
Jin Young Kang

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Elizabeth A. Neal
Christopher W. Miller
Alexis C. Williams

Julius Peppers Scholars
Victoria L. Davis
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The J. Maryon Saunders Award
Maribeth Blonchek

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Rossi Akim Anastopoulo
Vincent Charles Andracchio III
Anthony Michael Asher
Timber Grey Beeninga
Alexander Darwin Clayton
Ana Claire Dougherty
Harry Joe Edwards
McKenzie Sean Folan
Nancy Zhang Gao
Destinee Hope Grove
Morgan James Howell
Martha Butler Isaacs
Caleb Nathaniel Jadrich
Caroline Spears Jennings
Lauren Grace Kent
Laura Catherine Limarzi
Tony Hong Liu
Peter Everett McWilliams
Meredith Gracen Miller
Bradley Calvin Ochieng Opere
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Morgan McKenna Pergande
Emily Catherine Perry
Alexandra Key Polk
Eryn Rachel Ratcliffe
Meera Caroline Ravi
Nakisa Sadeghi
Erik Reinhard Schoning
Brian Charles Shields
Anita Simha
John Wilson Sink
Katherine Anne Stotesbery
Joseph O'Rourke Sullivan
Diane Nicole Thompson
Graham Charles Treasure
Ariana Brynn Vaisey
Amy Rebecca Woff
Caroline Aunspaugh Woronoff
Ottavia Zattra
Morgan Elizabeth Zemaitis

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Brent Michael Comstock
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Abigail Patience Gay
Virginia Blanton Hamilton
Kassra Nick Homaifar
Shafali Fleur Jalota
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Jaclyn Choy Lee
Jacob Benjamin Olliffe
Sumeet Chandrashekhar Patwardhan
Arjun Raghavan
David Bradley Spratte
Griffin Samuel Unger
Nathaniel Ross Wagner
Savannah Elaine Wooten

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2016–2017
George Allen, *Geological Sciences*
Anand Bhatia, *Business Administration*
Malia Blue, *Human Movement Science*
Courtney Boen, *Sociology*
Laura Brade, *History*
Andrew Davis, *Communication Studies*
Erica Fedor, *Music*
Kira Glynn, *Biological and Biomedical Sciences*
Joann Gruber, *Epidemiology*
Jana Haddad, *Marine Sciences*
Amber Haley, *Health Policy and Management*
Matthew Harkey, *Human Movement Science*
Meghan Harter, *Education*
Cole Harvey, *Political Science*
Joshua Jackson, *Psychology*
Sophie Kelmenson, *City and Regional Planning*
Alison Lacko, *Nutrition*
Stephen Madravelis, *Art*
Kelly McArdle, *Classics*
Shelia Nayar, *English and Comparative Literature*
Colin Post *Information and Library Science*
Jami Powell, *Anthropology*
Nancy Quick, *Speech and Hearing Sciences*
Mark Radin, *Environmental Sciences and Engineering*
Evan Reynolds, *Chemistry*
James Sadler, *Education*
Kate Saylor, *Public Policy*
Chetna Sethi, *Occupational Science*
Joshua Shelly, *Germanic and Slavic Languages and Literature*
Emily Snider, *Environment and Ecology*
Lucia Stavig, *Anthropology*
Kathie Sun, *Biological and Biomedical Sciences*
Lanier Walker, *English and Comparative Literature*
Adam Waterbury, *Statistics and Operations Research*
Caitlin Williams, *Maternal and Child Health*
Sierra Woodruff, *Environment and Ecology*
Jeff Yang, *Epidemiology*
Jessica Yeo, *Religious Studies*

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Kylie Nikole Nowicki, *Vice President*
Giulia Raffaella Curcelli, *Recording Secretary*

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Jonathan Tyler Alvarez
Leona Aisha Amosah
Ranjitha Ananthan
Ezra Baeli-Wang
Willow Ky Barefoot
Emily Logan Bass
Jacqueline Ivy Battaile
Brianna Bauchle
Timber Grey Beeninga
Emily Belding
Abigail Elizabeth Bell
Claire Bennett
Suejette Davidson Black
Catherine McCann Blalock
Martha Elizabeth Blue
Emma Marina Bogerd
Sarah Ellyn Boland
Srihita Bongu
Erika Lynn Booth
Molly Hendricks Boutwell
Grant Scott Broussard
Megan Nicole Brown
Christian Hugh Browning
Regan Downey Buchanan
Alexander Buckley
William Michael Buddendeck
K. Hunter Byrd
Grant Hayden Cabell
Lin Cao
Andrew Carden
S. Alden Caron-O'Neill
Ashton Katherine Carrick
Hayley Nicole Carter
Anna Davis Caudill
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Lauren Martina Chisdock
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Justin David Cole
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David Cortese DeGenova
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Bailey Reed DeSimone
Erica Nicole Diamond
Elizabeth Dorothy Dinkins
Patricia McGee Dodson
Steven Scott Doerstling
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Emily Drake
Guanzhong Du
Devin Blake Durham
Alexandra Edens
Harry Joe Edwards
Lea Nicole Efird
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Katherine Butler Elliott
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Edgar Maxwell Faison
Zhengyang Fang
Eliza McClellan Pentecost Farren
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Morgan Elizabeth Ferone
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Amber Nicole Fulford
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Julia Whipple Gallini
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Nathan Ray Hayes
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Martha Isaacs
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Jennifer Rose Jensen
Wendy Kally Ji
Jialing Jiang
Emma Johnson
George D. Johnson
Kaitlyn Rose Johnson
Benjamin Laird Hutton Jones
Lily Jewel Jones
Nina Rachel Joseph
Chloe Alistair Karlovich
Elaine Kaye Kearney
Annie Keller
Andrew Charles Kelly
Emily Grace Kelly
Lauren Grace Kent
Daniel Aryon Khordehforosh
Audra Rose Killian
Stephanie Kim
Grant Alexander King
Abigail Deborah Kinnaman
Martina Knechel
Christina Marie Kochanski
Erin Kolstad
Kayla Grace Kopczynski
Christina Margaret Korzen
Adrienne Marlo Kronovet
Prasanna Kumar
Gefen Kusin-Kline
Lee Powell Landess
Spencer Phillip Landfried
Stephen Thomas Lanier
Susan K. Leichliter
Rachel Erin Lerner
Sarah Gray Lesley
Spencer A. Lewis
Diane G. Li
Spencer Kyle Lichtenberg
Caroline Stanhope Wynne Lindquist
Dana Michelle Lingenfelser
Diana Cristina Lopez
Aaron Paul Lovett
Benjamin Franklin Lowe III
Charles Bracken Lumsden
Alan Samuel Luner
Jonathan C. S. Lynn
Lewis McAden Malone
Niman Mann
Gillian Elizabeth Manning
Nicole Elise Martin
Allison Marvin
Molly McConnell
Ryan K. McCord
Caitlyn Nicole McHale
Katlyn Geraldine McKay
Andrea Joyce McSweeney
Aakash Mehta
Brenda Miller Holmes
Luke Robert Miller
Meredith Gracen Miller
Kara Patrice Mitchell
Patrick John Moloney
Alexander Scott Montgomery
Austin Michael Mueller
Felix Kimathi Murithi
Brendon Connor Murray
Summer Ziad Hashem Najjar
Kathryn Nakhle
Elizabeth Salisbury Neill
Samantha Leigh Night
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Anne Bennett Osteen
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Holly Elizabeth Ozgun
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Meredith Anne Park
Jeet H. Patel
Shannon Elise Paylor
Gerardo Manuel Perez Goncalves
Jack Gentry Fenner Perisich
Claire Kylstra Peterman
Catherine Marie Phipps
Isabel Maria Pinheiro
Lucas Michael Popp
Samuel Leo Pranikoff
Timothy Michael Preston
Nathaniel Pritchard
Ao Joseph Qiao
Jonathan Matthew Raab Jr.
Matthew Ragusa
Bharath Rama
Sharath Rama
Adarsh Vasudeva Rao
Lacy Catherine Rardin
Emily Anne Reckard
Sarah Suzanne Renfro
Carolyn Jennifer Reuland

* *Chancellor's Award*

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William Frank Richardson
Laura Elizabeth Roberson
Roman John Rogowski
Halle Marie Ronk
Anne Rutledge
Kathryn Nell Ryan
Medina Sadat
Nakisa Sadeghi
Chiara Pancaldo Salemi
Michael Joseph Sanders
Justine Taylor Orlovsky-Schnitzler
Ellie Scialabba
Jasmine Shishir Shah
Sophie Antoinette Shaw
Amy Elizabeth Shehan
Julia N. Shen
Brian Charles Shields
Yoonha Shim
Benjamin Edward Shirley
Robert Thomas Short III
Rohanit Singh
Nikaya Smith
Dustin P. Sneed
Kirsten Olivia Spencer
Danielle Christina Spitzer
Priyanka Srinivas
Alexandra Christine Stewart
Katherine Anne Stotesbery
Philip Bray Straughn
Michael Cory Strickland
Kevin Su
Shengding Sun
Anne Sutton
Mary Caroline Tarallo
Olivia Terrell
Michael William Thomas
Elizabeth Marie Thompson
Abigail Thurman
Mary Elizabeth Thurman
Zijun Tian
Paige Emily Trexler
Lauren Rachel Trushin
Rachel Carolyn Cheng Uri
Ariana B. Vaisey
Anthony Lawrence Vallario
Shelby L. Waldron
Kara Louise Walker
Xingzhi Wang
Lynde Marie Wangler
Colleen Jivoff Watson
Lindsey Faye Wells
Alexandra Claiborne Willcox
Jared Douglas Williams
Margaret Alice Williams
Reed Nicholas Williams
Kristen Danielle Witkemper
Teddy Wong Jr.
Audrey Elizabeth Woolard
Alexi Morgan Wordell
Caroline Aunspaugh Woronoff
Xuelan Wu
Maria Yao
Evelyn Scott Yarborough
Zicheng Ye
Alice Yunzi Ling Yu
Andrew Joseph Notz Zalesak
Ottavia Zattra
Jerry Zhang
Jeanie Zhao
Michelle Zixin Yu
Siyu Zhao
Yongwei Zheng
Wei Zhou
Huanyu Zhu
Elizabeth Helme Zwart

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Mara Howard-Williams
Rachael Isom
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Patrick O'Shea
Nelson Pace
Kayla Peck
Dennie Tarasi
Tojan Rahhal
Sertanya Reddy
Kyle RoederSheimer
Honorary Inductee
Josefa Lindquist

NATIONAL RESIDENCE HALL HONORARY

*The Robert White Linker Award**
Madison Alexander

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Maribeth Blonchek, *Vice President*
Mattilyn Karst, *Outreach Coordinator*
Hannah Crater, *Publicity Coordinator*

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David Spratte

Spring 2014 Initiates
Maribeth Blonchek
Rebecca Brickner
Hannah Crater
Kendall Flanigan

Spring 2016 Initiates
Manuela Nivia
Vickie Poulimenos

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Seniors
Carmen Atwater
Ezra Baeli-Wang
Sophia Figueroa
Logan Gin
Shawna Gladney
Emma Johnson
Laura Limarzi
Jaqueline Lopez
Keegan McBride
Darcy McFarlane
Morgan McLaughlin
Meredith Miller
Diana Regalado
Catherine Stotesberry
David Vitek
Jane Wester

Graduate Students
Todd Jensen
Letanya Love
Terrell Morton
Patrick O'Shea
Sertanya Reddy

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Alicia Hayne Alford
Robert Carlisle Alfredson
Caroline Elizabeth Allbert
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Rossi Akim Anastopoulo
Olivia Grace Anderson
Vincent Charles Andracchio
Michael David Arneson
Anthony Michael Asher
Carmen Louise Atwater
Sierra Johleen Atwater
Sukriti Bagchi
Jacqueline Ivy Battaile
Brianna Bauchle
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Timber Grey Beeninga
Stefano Aldo Belloni
Brooke Erin Benson
Grayson Parke Berger
Shayla L. Birath
Suejette Davidson Black
Emma Grace Blackwell
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Sarah Elizabeth Bonn
Erika Lynn Booth
Townes Bouchard-Dean
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Graham Calvin Collins
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John Robert Cordes
Ryan James Costanzo
Megan Elizabeth Cross
Giulia Curcelli
Grace Uwaezuoke Cryst David
Neil Davis
Valerie B. Davis
Autumn Shaw Demonet
Chamara Dharmasri
Rourke Casey Donahue
Ana Claire Dougherty
Madeline Grace Douglas
Abigail Laurin Dupree
Mai Dvorak
Harry Joe Edwards
Charles Cole Egan
Hannah Stein Eichner
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Amethyst Kaylen Evans
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Jessica Maria Ferrall
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Kendall Flanigan
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Claire Frances Graja
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Akil Ahdhavan Guruparan
Connor Justin Haines
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Anna Katharine Heller
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Allyn Claire Hollingsworth
Vena Fay Holub
Kassra Nick Homaifar
Aaron D. Homburger
Joshua Horowitz
William Crossan Howland
Halimatu Sadiyya Ingawa
Martha Isaacs
Apoorva Kalyani Iyengar
Pooja L. Iyer
Jordan Emily Jackson
Caleb Nathaniel Jadrich
Ankita Jain
Emily Janeira
Noah William Janis
Christopher Ian Jenks
Caroline Spears Jennings
Jennifer Rose Jensen
Jialing Jiang
Jacob Alexander Johnson
Leah Young Davenport Johnson
Omprakash V. Kadiri
Jin Young Kang
Kensey Rose Katz
Emily Grace Kelly
Emma R. Kelly
Lauren Grace Kent
Carolinc Joyce Keough
Samuel Robert Kerr
Courtney Ann Key
Priyenka Khatiwada
Thomas Montgomery Kierski
Audra Rose Killian
Raymond Byung-ho Kim
Yongkyum Kim
Caellaigh N. Kimpston
Christina Marie Kochanski
Forest Tobin Koenigsberg
Andrew Joseph Koltun
Benjamin John Kompa
Adrienne Marlo Kronovet
Wynne Macfarlane Kulman
Paul Archimedes Kushner
Anna Elise L'hommedieu
Michael D. Lackey
Jordan Cheryl Latham
Majdoulyne Lavoie
Michael Scott Lebhar
Diane Li
Tony Rui Li
Stephanie Rayna Liffland
Laura Catherine Limarzi
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Tony Hong Liu
Yundong Liu
Zachary Daniel Locklear
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Joseph Philip Lopez
Benjamin Franklin Lowe
Kelly Elizabeth Lucas
Meriwether Joy Lyman
Jonathan C.S. Lynn
Jennifer Mei Lyu
Dory Julia Gellins Macmillan
Katherine Kelly Manweiler
Ross James Marnock
Devon Francis Martin
Lindsay Michelle Martin
Chandler Mccall Mason
Keegan McBride
Hannah McKinley
Estelle Patricia McQueen
Peter Everett Mcwilliams
Jesse Guy Mechanic
Katelyn Elizabeth Merendino
Claudia N. Meyer
Henry Hays Meyer
Luke Miller
Meredith Gracen Miller
Lorena Millo
Frank Anthony Minutillo
Morgan Swain Molster
Casey Rosario Moore
Taylor William Moore
James Brandon Motter
Joshua Wang Mu
Rachel Kasten Murray
Christine Keeyoon Nam
Meaghan Lauren Nazareth
Elizabeth A. Neal
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Elizabeth S. Neill
Rachel Lee Nesbit
Matthew James Newman
Bryan Francis Nixon
Madeline Suzanne Norris
Kylie Nowicki
Catherine Marie O'neill
Michael Ruggeri Olson
Anne Bennett Osteen
William Robert Ostrom
Kevin James Ostrowski
Parth Mukesh Panchal
Meredith Anne Park
Yun-ah Park
Jeremy Brayden Pasteris
Sagar Satish Patel
Sumeet Chandrashekhar Patwardhan
Nicolas Elijah Peckman
Morgan Mckenna Pergande
Emily Catherine Perry
Jennifer Marie Perry
Claire Kylstra Peterman
Isabel Maria Pinheiro
Madeline Jean Pliska
Kaylyn Beatrice Pogson
Alexandra Key Polk
Brent Matthew Pontillo
Noah Webb Ponton
Anne Catherine Pottle
Nathaniel Mitchell Putnam
Arjun Raghavan
Eryn Rachel Ratcliffe
Chase Warren Rebarker
Rebecka Elisabet Reibe
Madeline Reich
Caroline Reilly
Rashiidah S. Richardson
William Frank Richardson
Brian Christopher Riefler
Jake Rohde
Maria-Adriana Rojas
Margaret Helen Rutherford
Anne Elyssa Rutledge
Kathryn Nell Ryan
Nakisa Sadeghi
Hannah Yayoi Saggau
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Pranavi Sanka
Caitlin Regina Schwagerl
Benjamin Max Schwartz
Elena Elmerinda Scialabba
Jacob Settlemyre
Aribah Masood Shah
Siddharth Shankar
John Carlton Shannon
Brian Charles Shields
Kee-Young Shin
Adam Brinkman Shoemaker
Rebecca J. Shoenthal
Robert Thomas Short III
Alexander Peter Siavelis
John Wilson Sink
Austin Crenshaw Smith
Jared Anthony Smith
Sarah Elaine Spencer
David Bradley Spratte
Richard Starling
Molly S. Stein
Katherine Anne Stotesbery
Alexis Strang
Hayley Sha-yen Stratton
Corey Cheng Su
Karthik Aravind Sundaram
Srilekhya Sure
Katarina Sinclair Swaim
Imani Hope Sweatt
Nicholas Allen Temple
Diane Nicole Thompson
Kennedy Ann Thompson
John Thorp
Abigail D. Thurman
Emily Warner Tidwell
Ralitza Mariova Tocheva
Enrique Toloza
Graham C. Treasure
Cameron Trimpey-Warhaftig
Kiera Brigh Turner
Griffin Samuel Unger
Ariana Brynn Vaisey
Carolina G. Valder
Navina Venugopal
Quinton Christopher Verchick
Cody Gilbert Vientos
Madison Elizabeth Watts
Jane Campbell Wester
Alexandra Rain Whicker
Mikala Whitaker
Stewart Bayne Willard
Alexandra Claiborne Willcox
Margaret Alice Williams
Caroline Britt Willis
Amy Rebecca Woff
Cameron P. Worden
Caroline Aunspaugh Woronoff
Benjamin Wu
Maria Yao
Lydia S. Youngblood
Stephanie Kyoungchun Yu
Ottavia Zattra
Wei Zhou
Jane Aliza Zorowitz

School Awards

The Kenan-Flagler Business School

UNDERGRADUATE BUSINESS RECOGNITIONS OF EXCELLENCE

Undergraduate Business Award for Excellence in Community Service
Alexander Pritts

Undergraduate Business Award for Excellence in Integrity
Theophilus Onigbinde

* *Chancellor's Award*

Undergraduate Business Award for Excellence in Leadership
Anthony Bowman
Steven Deepee

Undergraduate Business Award for Excellence in Teamwork
Sarah Kowalski
Alison Halter

Undergraduate Business Class of 2016 Honors Candidates
Christina Farrell
Mohammed Hedadji
Daniel V. Maltsev
Ralitza Mariova Tocheva

Undergraduate Business Excellence in Consulting Award
Steven Deepee

Undergraduate Business Excellence in Entrepreneurship Award
Brent Comstock

Undergraduate Business Excellence in Finance Award
Alec Haidinger
Ryan O'Malley

Undergraduate Business Excellence in International Business Award
Lorena Millo
Theophilus Onigbinde

Undergraduate Business Excellence in Management Communication Award
Anthony Bowman
Chantal Mosley

Undergraduate Business Excellence in Marketing Award
Anthony Bowman

Undergraduate Business Excellence in Operations Management Award
Craig Amasya
Robert Coe

Undergraduate Business Excellence in Organizational Management Award
Carly Collette
Bradley Opere

Undergraduate Business Excellence in Real Estate Award
Julia Shaw
Louis Stephens

GLOBE Class of 2017
Landry Brown
Stephanie Bui
Christina Farrell
Jessie Feeley
Madeline Gasior
Harris Hamed
Catherine Hemmer
Paul Meyer
Jacob Pincus
Millie Ratliff
George Robertson
Mahmoud Saad
Nisha Saxena
Jon Shadid
Austin Smith

*The 2017 Hampton Shuping Prize**
Craig Amasya

Kenan Institute Leadership Fellows
Kristen Chung
Leslie Moen

Undergraduate Symposium Core Planning Committee
Craig Amasya
Anthony Bowman
Michael Caragher
Caroline Drysdale
Matt Duma
Virginia Green
Sarah Kowalski
Nick Larson
Charlotte McCauley
Jaymee Miller
Leigh Orleans

2016 Undergraduate Symposium Service Award
Craig Amasya

Undergraduate Business Meritorious Scholarships 2016–2017

The Carl and Janice Brown Upperclass Academic Scholarship Fund
Alexis Shiro

The Erie Windsor Cass & Jessamine Brown Cass Undergraduate Scholarship
Karlyn Conery
Michael Russo

The A. Donald Christopher Scholarship Fund
Craig Amasya
Jacob Olliffe

The Gene Clark Memorial Scholarship
Imani Sweatt

James Wilford Clark Jr. Undergraduate Scholarship
Pamela Brody
Elliott Orenstein

The William G. Daughtridge Jr. Study Abroad Fund
Ellyn Wagner

Wade S. Dunbar Jr. Undergraduate Scholarship Fund
Julie Gao
Katelyn Meredino
Jordan Roseborough
John Schutts

General BSBA Scholarship
Qijun He
Jin Kang

Global BSBA Scholarship
Grace Shackelford

Kenneth Bartlett Howard Undergraduate Business Scholarship
Ian Hawkins

Edison E. Marley Undergraduate Business Scholarship
Sarah Kowalski

The Ernest Mayo Undergraduate Fund
Alex Lee
John Shannon

James K. McLean Scholarship Fund
Robert Coe
Brent Comstock
Holly Jones
Robert Wadsworth

Medlin Scholarship for Business and Liberal Arts
Caroline Drysdale
Megan Kramer
Grant Price
Vamsi Yechoor

Thomas Hart Norwood Scholarship
Patrick Jahn

The June and L. Gordon Pfefferkorn Jr. BSBA Study Abroad Fund
Jeff Kim
Brendan Radatovich

The Jason Ray BSBA Global Scholarship
Carly Collette

Scholarship in Memory of Hal Kearns Reynolds
Katherine Elliott
Brian Fuller
Thomas Glorio

Edmund B. Ross III BSBA Endowment
Michael Barton
Michael Lewis
Brookhart Simmons

Triangle Advertising Federation Scholarship
Anthony Bowman
Karina Gonzalez Sanchez

James H. Toy Scholarship
Coleman Bumgardner
Carly Collette
Abigail Gration
Kyungho Kim
Alan Sharpe

The Helen Craig Wardlaw Fund
Lee Beckman
Lili Chen
Siyu Chen
Elizabeth Dinkins
Jessica Feeley
Jill Hardies
Nicholas Hawk
Ye Lu
Lorena Millo
Theo Onigbinde
Andrew Schultz
Andy Yang

The School of Dentistry

Omicron Kapa Upsilon National Dental Honor Society 2017 Initiates
Sarah Smith Barker
Matthew David Bostian
William Preston Colven Jr.
Phillip David Hamilton
Ivette Landrian
Michael Phillip McAdams
Nichole Leigh Schiro
Connie C. Wang
Victor Taylor Warren

Sigma Phi Alpha National Dental Hygiene Honor Society 2017 Initiates
Hannah Joei Cheung
Nushaa M. Kaz
Lily M. Michelakis
Katelyn Alexandria Myers

The School of Education

Mayo and Norma Bundy Scholarship
Jamie Renee Byrum

Gail Bunn Fellow
Jamie Lynn Bentley

Frank Comfort Scholarship
Cady Lynn Childress

Fred Pfohl Crouch Scholarship
Margaret Smith

Robert Wendell Eaves Scholarship
Victoria Lynn Yegelwel

Susan Friel Graduate Student Stipend for Mathematics Education
Stefanie Rose Bordeaux
Alexandra Earl Humphries
Caitlin Kearney
Cydney Lunsford Bates
Nataki Jones McClain
Cassandra Regina Melvin
Lynn Holbrook Merrill
Morgan Kay Smith
Rhonda Rogers Wood

Galassi-Brown Award
Elisabeth Kathleen Arriero

Virginia Carter Gobbel Graduate Student Award
Chassity Coston

Ira J. and Esther Gordon Fellowship
Jessica Lynne Hayden

Graduate School Dissertation Completion Fellowship
Danielle Allen
Allison Rose Socol
John Andrew Wachen

Graduate School Five-Year Merit Assistantship
James Richard Sadler

Graduate School One-Year Merit Assistantship
Brian Mitchell Cartiff
Mary Elizabeth Ewing
Charles Midthun
Katie Leelynn Pinion
Miranda Elaine West

Graduate School Summer Research Fellowship
Danielle Allen
Allison Rose Socol

Lynn Boyette Hutchinson Scholarship
Caroline Blair Douglas

Willie Hall Kennedy Scholarship
Michaela Nicole Bailey

Michaela Reedy McIntosh Scholarship
Achsah Renee Coleman

Alan Coningsby Moore Scholarship
Samuel George Wilkins

North Carolina Excellence Fellowship
Carlos Enrique Lavin

Nancy Blanche Norman
Jordan Elizabeth Davis

Carol Mathews Peeler Scholarship
David Bruce McDonald

W.D. Perry Outstanding Student in School Counseling
Susan Elise Pizzolato

Susan Redd Scholarship
Jennifer Barrett Mudd

Carole and Sam Roebuck Scholarship
Tabitha Moore

Sequoyah Dissertation Fellowship
Meghan Harter

Dean E. Smith Scholarship
Adam F. Sattler
Kathryn Ann Wright

Dean Smith Opening Doors Fund
Ashley Currin
Cortland Gilliam

Linnea Smith Innovations Fund Award
Lucia Iraida Mock

The Graduate School

2017 Dean's Distinguished Dissertation Award
Timothy Jacobs, *Bioinformatics and Computational Biology*
Pasquale Rummo, *Nutrition*
Sierra Woodruff, *Environment and Ecology*
Vida Yao, *Philosophy*

2017 GEAB Impact Awards
Julia Browne, *Psychology*
Mary Beth Fitts, *Anthropology*
Diane Francis, *Media and Journalism*
Kirstin Frescoln, *City and Regional Planning*
Elijah Gaddis, *American Studies*
Adam Gold, *Environment and Ecology*
Bianca Lopez, *Environment and Ecology*
Maggie Reinsvold, *Public Health Leadership*
Dalia Stern, *Nutrition*
Frank Stillo III, *Environmental Sciences and Engineering*
Libbie Weimer, *City and Regional Planning*
Sierra Woodruff, *Environment and Ecology*

2017 Horizon Awards
Rachel Bleich, *Pharmaceutical Sciences*
Katy Brown, *Environmental Sciences and Engineering*
James Byrnes, *Pathology*
Yuhang Jiang, *Pharmaceutical Sciences*
Joshua Welch, *Computer Science*
Gongting Wu, *Physics and Astronomy*
Jicheng Yu, *Biomedical Engineering*

The School of Information and Library Science

Susan Grey Akers Fellowship
Earl Wayne Bailey
Rachael Annette Clemens
Glenna L. Matteson

American Library Association Spectrum Scholarship
Natalia Lopez

Lester Asheim Scholarship
Emily Vardell
Association of College and Research Libraries Scholarship
Kimberley Henze

Association of North Carolina Health and Science Libraries Continuing Education Award
Rebecca Lang Greenstein

Baker and Taylor Scholarship Summer Seminar to London
Bethany Dawn Greene

Baker and Taylor Scholarship Summer Seminar to Prague
Kimberley Henze

Deborah Barreau Award for Teaching Excellence
Emily Vardell

Best Project Award, SILS Project Fair
Brad San Martin

Beta Phi Mu Epsilon Chapter Scholarship
Rebecca Tatum
David Tenenholtz

Beta Phi Mu International Honor Society Sarah Rebecca Reed Scholarship
Rebecca Lang Greenstein
Alena Anne Principato

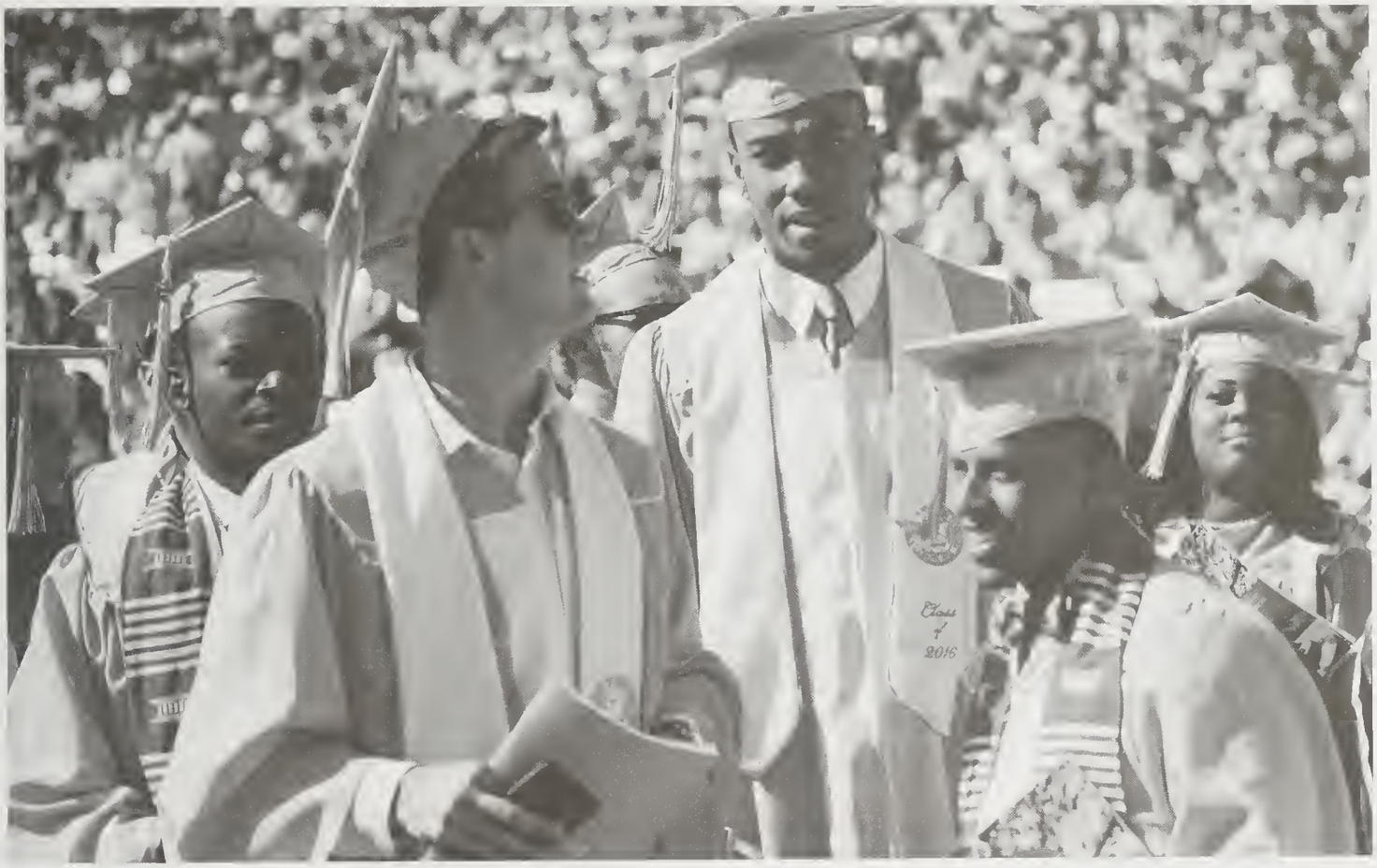
Lisa Burmeister Computer & Information Science Fellowship
Bethany Dawn Greene
Natalia Lopez
Hannah Leigh Wang

Carolina Academic Library Associate (CALA)
Bethany Dawn Greene
Stephanie Yi-Farng Hsieh
Natalia Lopez
Colin Richard Nickels
Alena Anne Principato
Hannah Leigh Wang

Carolina Undergraduate Health Fellowship Award
Clifton Orcel

Elfreda Chatman Research Award
Erica Brody
Rebecca Tatum

* *Chancellor's Award*



Michael Hooker Fellowship in Applied Networking
Chana Kraus-Friedberg

Institute of Jazz Studies Archival Fellow
Brad San Martin

Margaret Ellen Kalp Memorial Fellowship
Gordon Field Chadwick
Rebecca Lang Greenstein
Adam John Griggs
Elizabeth Jane Hannigan
Chana Kraus-Friedberg
Glenna L. Matteson
James T. McLees
Lisa Marie Neubert
Kodi C. Saylor
Grace Stempfle Sharrar
Valerie Rose Szwaya
Rebecca Lynn Tatum
Hannah Leigh Wang

Drs. Barbara and Robert S. Martin Research Assistantship
Glenna L. Matteson

Medical Library Association Thomson Reuters/MLA Doctoral Fellowship
Emily Vardell

North Carolina Special Libraries Association Sara Aull Award
Rebecca Lang Greenstein

Hayden B. Renwick Award
Clifton Orcel

SILS Undergraduate Scholarship
Emily Crockett
Luman Ouyang
Aileen Ma

2016 Top Research Proposal in Media Effects and Processes, School of Media and Journalism
Kimberley Henze

Louis Round Wilson Fellowship
Sheryl L. Grant

University Diversity Award
Stephen Gustav Krueger

UNC Graduate School Merit Assistantship
Rebecca Lang Greenstein

The School of Nursing

*George Livas Award**
Jennifer Anne Nance
Sroda Porter

Johnston Nursing Distinguished Senior Award
Emma Elizabeth McFarlane

Phi Beta Kappa Inductees
Lauren Martina Chisdock
Virginia B. Hamilton

Sigma Theta Tau International, Honor Society of Nursing, Alpha Alpha Chapter
Betty A. Aguie
Emily Claire Almond
Anne Michelle Ambs
Katie Amuchastegui
Deanna L. Babcock
Abigail Jill Bennett
Leah Joan Berolzheimer
Courtney Whicker Berry
Allie E. Billings
Mairo Musa Bori
Emily Grace Brozowski
Annie Jane Butler
Catherine Nicole Campbell
Charlyn Rafanan Ciesco
Meredith Clendaniel
Austin Lewis Cole
Katherine May Coury
Miranda Kaitlyn Daniels
Brittany Danielson
Foretta Grant Davis
Julia Day
Fatima Rose Lasala Domagtoy
Aniesha Dukkipati
Shawna Dwyer
Crisma Jazmin Emmanuel
Carrie Endara
Nicole Majette Enyinnaya
Stefanie Esteves Rosado
Marco Fajardo
Alan S. Fanning
Hannah C. Fischler
Genevieve Clayton Freeman
Madeline M. Gillon
Katherine A. Gilmore
Ashley B. Hageman
J'Woin M. Harrison
Laura Catherine Haulsee
Juliana Herrera
Lauren E. Hitchings
Courtney Elizabeth Hyland
Gregory Atika Isabwa
Ann Jacobi Brown
Haesu Jin
Angela N. Johnson
James Dean Jolly III

Mary Kathleen Killela
Katherine H. Kruppenbach
Alicia Lynn Mauney LaCombe
Sarah Latham
Karen Reyes Lavieri
Alasia L. Ledford
Avery Christine Lindsay
Ashleigh Lynn Luttrell
Ingrid Elizabeth Marzuola
Emma Elizabeth McFarlane
Jonathan D. Mcgee
Meghan McLaughlin
Bethlehem H. Meshesha
Leeann Nicole Meyer
Stephanie Lynn Mitchiner
Alexis Dawn Moody
Cierra Nicole Moody
Angela Nicole Moore
Hanna Marie Moxley
Eszter A. Neumark
Kristine A. Pardus
Lindsey Grace Parks
Heather Lyn Perry
Victoria Marie Petermann
Tuan Thanh Pham
Nikki Rhea Phillips
Sara Devorah Planer
Mark Jonathan Russell
Summer Nicole Sanders
Amanda Caroline Shearin
Kendell Ann Silveira
Brittany Nicoll Smith
Angela C. Stumph
Pei-Lin Su
Devereaux Howell Swaim
Porsha Mar'shea Tate
Allison Tella
Abigail I. Tepper
Nicola Jane Thomas
Kathryn Lillard Thomason
Grace F. Tueffel
Justin Gray Tuttle
Michelle Davis White
Lindsay A. Wieczorek
Jennifer D. Wilkins
Jonathan Noah Williams
Hannah Elizabeth Wood
William R. Woods
Olga Wray
Jill Rebecca Yandle

The Eshelman School of Pharmacy

Asheville Student Award for Excellence
Jonathan Kelly Crissman

Boka Hadzija Student Excellence Award
Shelby Layne Hudson

Division of Pharmacotherapy and Experimental Therapeutics Award
Marcus Colker Kaplan

F.O. Bowman Award
Michael Andrew Wells

George H. Cocolas Pharmacy Student Body Award
Jennifer Ku

Jacobs Award in Medicinal Chemistry
Yekaterina E. Mutilin

Jamie Gasaway Kilar Patient Care Award
Stephanie Jiachi Jean

John C. Hood Sr., Award in Practice Advancement and Clinical Education
Kristin Gloria Aloi

John T. and Rebecca B. Henley Award in Pharmaceutical Outcomes and Policy
Michael Taylor Bitonti

Office of Professional Education Academic Excellence Award
Kathryn Laura Gouzoules Campbell

Professor Leaf Huang Pharmaceutics Achievement Award
Leah Brooks Herity

Samuel Burrus Award for Community Service
Elizabeth Ann Dellinger

TEVA Pharmaceuticals Outstanding Student Award
Eric Shen

The Office of Curricular and Student Affairs Impact Award
Kaitlyn Marie Buhlinger

T.R. Burgiss Family Award
Ashley Nicole Moody

USPHS Excellence in Public Health Pharmacy Award
Stephen William Canady

UNC Eshelman School of Pharmacy Rho Chi

Eric Shen, *President*
Tanner Logan Hedrick, *Vice President*
Jill Gabrielle Zaccardelli, *Secretary*
Steven J. Kiss, *Treasurer*

Class of 2017
Kristin Gloria Aloi
Holly Bourgeois
Adam Clifford Corey
Alexander Quentin Cremer
Kathryn Laura Gouzoules
Andrew Richard Haberkorn
Tanner Logan Hedrick
Sarah Miller Hendricks
Leah Brooks Herity
Kai Kang
Marcus Colker Kaplan
Allison S. Karabinos
Steven J. Kiss
Jennifer Ku
Brian Andrew Kurish
Prutha B. Lavani
Yekaterina E. Mutilin
Alvin Christopher Ong
Hiep Huy Pham
Eric Shen
Marina Santanna Snellings
Sarah Marie Troutman
Michael Jeffrey Verble
Jennifer Anne Voelker
Nan Wang
Taylor Mai Weis
Jenna Leigh Wood
Jill Gabrielle Zaccardelli

The Gillings School of Global Public Health

Alumni Association Annual Spirit of Giving Award
Mya-Lee Roberson, EPID

Annual Fund Scholarship
Dirk Davis, HB
Ebehiwele Ebhohon, PHLP
Josue Espinoza, HPM
Mikaela Freundlich, MCH
Hillary Heiling, BIOS
Ellison Henry, MCH
Allison Maria Lacko, NUTR
Charlotte Eleanor Lane, NUTR
Teeranan Pokaprakarn, BIOS
Elizabeth Rehak, ESE
Joyce Rhoden, EPID
Nae Won, PHLP

Atkinson Scholarship Fund
Usman Muhammad Saqib, NUTR

Bender Curry Family Undergraduate Public Health Global Internship Award
Angel Lopez-Callazo, HPM

Brendle Brothers Scholarship for Veterans
Shannon Stroud, HPM

Miriam L. Cole Scholarship Fund
Mya-Lee Roberson, EPID

Delta Omega Academic Excellence
Elizabeth Martin, HPM
Mara Howard-Williams, PHLP
Frank Parker Hudson III, EPID
Ashley Phillips, HB
Paul Shafer, HPM
Hannah Silverstein, MCH
Eric Van Buren, BIOS
Jenna Nicole Domino White, NUTR

Delta Omega Recognition of Service Award
April Aviles, MCH
Nicole Butera, BIOS
Meagan Cannady, HPM
Allison Fechter, ESE
Marissa Hall, HB
Yue Jiang, BIOS
Jackie Queen, PHLP
Lesley Emma Stewart, NUTR
Nadja Vielot, EPID

Delta Omega, Theta Chapter
Maiko Arashiro, ESE
ArielJasmine Atkinson, ESE
Emily Sue Bailey, ESE
Erin Boland, HPM
Kristen Brugh, MCH
Jingxiang Chen, BIOS
Rachelle Chiang, HPM
Taylor Suzanne Christensen, NUTR
Stella Clingmon, MCH
Andrew H. Cocowitch, HPM
Samantha Elise Croffut, NUTR
Sabrina Darwiche, MCH
Lindsay Fernandez-Rhodes, EPID
Jason Fine, BIOS
Hannabeth Franchino-Olsen, MCH
David Evan Gorelick, ESE
Justin Daniel Hart, ESE
Bridget Hochwalt, HB
Katelyn Holliday, EPID

* *Chancellor's Award*

Eric Horowitz, HPM
Catherine Jo, HB
Melissa Cunningham Kay, NUTR
Jaclyn A. Konich, NUTR
Xiaojuan Li, EPID
Abigail Liberty, MCH
Katie Linville, HPM
Jessie Lillian McGinty, NUTR
Joshua Monroe, HPM
Scott Daniel Neidich, NUTR
Samuel Nyako-Agyakwa, HPM
Henry Okoth, HPM
Meaghan Casey O'Neal, HPM
Humberto Parada, EPID
Laura Pinheiro, HPM
Matt Psioda, BIOS
Hannah Quigley, HB
Pasquale Ernesto Rummo, NUTR
Marissa Seamans, EPID
Joseph Seguin, HB
Soobin Seong, HPM
Roshan Shetty, HPM
Natalie Smith, BIOS
Emily Vreeland, HPM
Collin Watson, HPM
Brett Weed, PHLP
Julie Williams, PHLP
Peyton Williams, PHLP

Delta Omega Undergraduate Recognition Award
Elizabeth Chase, BIOS
Patricia Daly, HPM
Mengbing Li, BIOS
Claudia Meyer, ESE
Benjamin Shirley, HPM
Ottavia Zattra, NUTR

Gillings Dissertation Award
Cassandra Maria Johnson, NUTR
Sydney Jones, EPID

Gillings Merit Scholarship
Marwa Elnagheeb, MCH
Deanna Rose Ewald, NUTR
Erin Frey, PHLP
Herodes Guzman, PHLP
Gilson Honvoh, BIOS
Rae Anne Martinez, EPID
Christina Palazzo, PHLP
Audra Reiter, PHLP
Blythe Rhodes, HB
Alex Sanchez, MCH
Jen Stutsman, HPM
Christine Walsh, HB
Yiqing Wang, NUTR
Corinne Wiesner, ESE

Global Travel Award
Kaitlin Kelly-Reif, EPID

Robert and Kristen Greczyn Scholarship in Public Health
Jacqueline Summer Chang, NUTR

Sandra Winn Green Scholarship
Mya-Lee Roberson, EPID

Greenberg Award for Excellence in Doctoral Research
Hang Nguyen, ESE

Harry A. Guess Scholarship
Jacqueline Summer Chang, NUTR

Donald and Jennifer Holzworth Merit Scholarship
Fekir Negussie, MCH

Ibrahim Fellowship
Tyann Blessington, PHLP

James Imhotep Irving Public Service Scholarship
Nicolas Hernandez, HPM

B. Erik and Mabel S. Johansson Endowment Fund
Jessica Simons, PHLP

Jill Kafrissen and Michael Kafrissen Scholarship in Aging and Public Health
Jordana Laks, PHLP

Jamie Kimble Scholarship for Courage
Sarah Treves-Kagan, HB

Gary G. and Carolyn J. Koch Merit Scholarship in Public Health Award
Christine Gray, EPID

Naomi R. Koehler Endowment for Professional Development in Nutrition and Women's Health
Christina Chauvenet, MCH

Jean T. Lassiter Scholarship
Kathleen Kenny, MCH

Elizabeth Reaves Martin Moore Scholarship
Julia Ward, EPID

Fred and Pearle McCall Scholarship
Lisa Garland, PHLP

Carrie McDonald-Girman Scholarship
Nadja Vielot, EPID

Susanne Moulton and Thomas Wong Endowed Scholarship Fund in Public Health
Kristin Sullivan, EPID

Anne Cynthia Price Endowed Fund for Student Travel
Katherine Souris, HB

Dr. Jesse A. Satia Scholarship
Valerie Lansdale, MCH

William Thomas Small Jr. and Rosa Williamson Small Scholarship
Sarah Hoffman, EPID

Smith Travel Award
Susanna Epling, MCH

Dr. Curtis Glenn Southard Award
Megan Marie Sweeney, NUTR

Mary S. Thompson Scholarship
Natasha Aurelie Vos, NUTR

University Cancer Research Fund
Sophie Mayer, EPID
Rachel Kurtzman, HB
Olive Mbah, HPM

Robert Verhalen Endowed Scholarship in Injury Prevention/Trauma Management
Susannah Zietz, HB

Kerr L. White and Edward Wagner Award
Halei Benefield, EPID

Derek and Louise Winstanly Scholarship
Ashley Labat, PHLP

The School of Media and Journalism

Furman Bisher Medal
Brendan Richard Marks
Caleb James Waters

John Robert Bittner Award to the Outstanding Senior in Broadcast and Electronic Journalism
Sharon Mattie Nunn

Margaret A. Blanchard Dissertation Support Award
Lu Wu

O.J. "Skipper" Coffin Award to the Outstanding Senior in Reporting
Jessica Lauren Coates

Lois and H.C. Cranford Jr. Award to the Outstanding Senior in Public Relations
Mikala Ashlyn Whitaker

Smith Galli Persistence Award
Korey Marie Butler

Joy R. Gibson MATC Cohort Award
Jennie Orcutt Saia

Hoffman Award
Sarah Hollingsworth Whitmore

Roger and Dorothy Jennings Entrepreneurial Award
Will Dwight Schoeffler

Kappa Tau Alpha Honor Society 2016–2017 Initiates
Melody Nicole Goforth
Kelly Lynn Jasiura
Kristen Michelle Marino
Shaylyn Kinslow Murphy
Elizabeth Roberts
Niki Sage Wasserman

Jeff MacNelly Award
Oliver Stuart Jones

Patricia Miller Moore Award
Mikala Ashlyn Whitaker

James J. Mullen Award to the Outstanding Senior in Advertising
Jane Aliza Zorowitz

Outstanding M.A. in Mass Communication
Deanna Rose Puglia

Outstanding M.A. in Technology and Communication
John Bayliff Frank

Outstanding Ph.D. Graduate
Preston Brooks Fuller

Minnie S. and Eli A. Rubinstein Research Award
Gabriel Maisonnave

Stuart Sechriest Award to the Outstanding Senior in Visual Communication
Dillon Deaton

John Sweeney Experience Fund Award
Riley Neville Reid

M.S. Van Hecke Award
Wei Zhou

Earl Wynn Creative Broadcasting Award
Brett Richard Thompson

The School of Social Work

Alumni Development Award
Aura Victoria Crouse

Melvarene J. Howard Adair Scholarship
Jessica Martinez-Matamoros

Jane Hall and William Johnston Armfield Scholarship
Johanna Alexandra Contreras
Ceara Velesa Smith

Berg Scholars Award
Claire Bates

Annie Kizer Bost Award
Rebecca Martin Oshige

Amy Louise Brannock, MSW Memorial Scholarship Fund
Dena Marie Lind

Carolina Consortium on Human Development (CCHD) Predoctoral Fellowship
Todd Michael Jensen

Chaney-Jacobs-Preyer Award
Lindley Danielle Reynolds
Mattie Steele
Guillermo Miguel Tremols

Brett Chavis Memorial Scholarship
Mary Stephanie Houston

Robert and Peggy Culbertson Scholarship
Naomi Ruth Spencer

Dissertation Completion Fellowship
Jennifer Elizabeth O'Brien

Doctoral Merit Assistantship
LB (Lauren) Terese Klein
Sarah Michelle Rabiner

Bertie Oscar Edwards Scholarship
Sarah Macht Dergins

North Carolina Excellence Fellowship
Michael Joseph Lazar

Joanna Finkelstein Gorham Scholarship
Bethany Lorraine Bivens
Yazmin Garcia Rico
Alice Jane Keyes
Kaleia M. Martin
Mackenzie Nicole Rockett

Kirsten E. Hewitt Scholarship
Kristin T. Bristol

Alan Keith-Lucas Scholarship
Dawn Michelle Bowes

Jeffrey Langston Scholarship
Caitlin Avery Klein

James and Connie Maynard Scholarship
Ana Beatriz Cabello-De la Garza

Robert Ernest McClernon Memorial Fund
Brittany Teresa Allen
Karina Fabiola Alvarado
Danielle Nicole Destiche
Amanda Faye Hobgood

Meehan Scholarship
Linda Batchelor
Brooklyn Skye Milner

Betsy Rogers Millar Scholarship
Tyrek Tormaine Corry

Hugh MacRae Morton Jr. Memorial Scholarship
Laura Natalia Castro

Jane Curtis Parker Award
Olivia Augusteen Bass
Danya Silberman Holtzman
Britnie Nikole Hopkins

Margaret Mebane Parker Scholarship Fund
Ashley Rose Wilhelm

Joan Phillips-Trimmer Scholarship
Brittany Michelle Walker

Ellen E. Power Scholarship
Laura Natalia Castro

Kathleen Price Scholarship
Josephine Peggy Carmona
Heidi Elizabeth McNeilly
Millicent N. Robinson

Kenneth C. Royall Jr. Scholarship
Danielle Nicole Destiche

Five-Year Royster Society of Fellows Fellowship Award for Doctoral Study
Laurie Michelle Graham
Todd Michael Jensen
Shiyou Wu

Sam and Betsy Reeves Doctoral Fellowship
Erum Agha
Stefani Nicole Baca-Atlas
Brittney Renwick Chesworth
Kanisha Latina Coleman
Premela Gillian Deck
Annie Maria Francis
Joseph James Frey
Jane (Jaime) Moore Hughes
Brianna Marie Lombardi
Elaina Michele Sabatine
Charity Sneed Watkins

Janice Hough Schopler Scholarship
Carolina Cecilia Ahumada Mejia
Isabel Helen Chasse
Xi Chen
Sara Collins Hamilton
Katherine Bess Hilbinger
Kristan Ryan Rosenthal

Dean E. Smith Opening Doors Fund
Carolina Cecilia Ahumada Mejia
Katelyn Leah Ehle
Zane Daniel Shetler

Social Justice Fund Scholarship
Kokou Nayo

"Social Work Education: The International Journal," Best Empirical Article of 2016
Shiyou Wu

Florence Soltys Memorial Scholarship
Cynthia L. Royals-Wilson

Springle Memorial Scholarship
Ashley Rose Wilhelm

Linda M. Summer Scholarship
Laura Kathryn Dellicker
Kuniko Nicole Madden

Leah Tannenbaum Scholarship
Annia Cuebas-Colon
Sandra Harthan Devoid
Caroline Mast Pegram

Kristen Marie TenHarmsel Anderson Scholarship
Destinee Pray

Smith P. Theimann Scholarship
Allison Ruth Ruel Rella

University of New Hampshire Innovative Research Award from Prevention Innovations Research Center
LB (Lauren) Terese Klein

Walsh-Cioffi Award
Kadeisha Mariah Bonsu

Ellen Black Winston Scholarship
Katelyn Leah Ehle

DEPARTMENT OF AEROSPACE STUDIES

*The Kenneth C. Royall Award**
Caitlin Malone

DEPARTMENT OF AMERICAN STUDIES

*Peter C. Baxter Memorial Prize in American Studies**
Megan Erin Pallante

Julia Preston Brumley Travel Scholarship
Sarah Costello Dwyer

Creative Writing Awards

See Department of English and Comparative Literature

DEPARTMENT OF ART

The Alumni Sculpture Garden Award
Caroline Irene Coppola
Tracie Elizabeth Hayes
Isys Elena Hennigar

The Anderson Undergraduate Studio Art Award
Brenda Delia Miller Holmes

*The Art History Prize**
Meredith Gracen Miller

*The Alexander Julian Prize**
Tracie Elizabeth Hayes

* *Chancellor's Award*

The George Kachergis Studio Art Scholarship
Tracie Elizabeth Hayes
Isys Elena Hennigar

Brenda Delia Miller Holmes
Daphne Elizabeth Rodgers

The Penland School of Craft Partners Scholarship
Brenda Delia Miller Holmes

The Penland School of Craft Minority Scholarship
Emily Annie Yue

Phi Beta Kappa – Alpha of North Carolina

2016–2017 Initiates
Emily Claire Crockett, *Phi Beta Kappa*
Brenda Delia Miller Holmes, *Phi Beta Kappa*
Gillian Elizabeth Manning, *Phi Beta Kappa*
Meredith Gracen Miller, *Phi Beta Kappa*
Mary Elizabeth Thurman, *Phi Beta Kappa*

The Jonathan E. Sharpe Scholarship
Nim Breitenfeld
Carolina Irene Coppola
Kenly Marie Cox
Isys Elena Hennigar
Lana Loraine Jordan

DEPARTMENT OF ATHLETICS

Top 10 Scholar-Athletes
Alexis Amato (Rowing)
Ezra Baeli-Wang (Men's Fencing)
Hayley Carter (Women's Tennis)
Christian Caveness (Men's Swimming and Diving)
Luke Ciocca (Men's Soccer)
Abby Fisher (Women's Swimming and Diving)
Sarah Howard (Women's Track and Field)
Katie McKay (Women's Swimming and Diving)
David October (Men's Soccer)
Lucas Popp (Men's Swimming and Diving)

2016–2017 Athletic Directors' Scholar-Athlete Awards
RJ Alowonle (Men's Track and Field)
Alexis Amato (Rowing)
Ezra Baeli-Wang (Men's Fencing)
Davis Bateman (Men's Golf)
Kristy Bernatchez (Field Hockey)
Joanna Boyles (Women's Soccer)
Hayley Carter (Women's Tennis)
Leslie Cloots (Women's Golf)
Kanler Coker (Men's Basketball)
Abigail Curry (Volleyball)
Carly Davis (Women's Lacrosse)
Blake Dodge (Women's Cross Country)
Abby Fisher (Women's Swimming and Diving)
Sarah Howard (Women's Track and Field)
Amanda Lalezarian (Women's Fencing)
Morgan Lane (Gymnastics)
Kendra Lynch (Softball)
Sam Miner (Men's Cross Country)
Jason Morgan (Baseball)
Jack Nyquist (Men's Diving)
David October (Men's Soccer)
Lucas Popp (Men's Swimming)
Ethan Ramos (Wrestling)
Chris Ripberger (Football)
Mark Rizzo (Men's Lacrosse)
Ronnie Schneider (Men's Tennis)

2016–2017 Richard A. Baddour Carolina Leadership Academy Leaders of Distinction
Hayley Carter (Women's Tennis)
Leslie Cloots (Women's Golf)
Matt Conway (Men's Swimming and Diving)
Abigail Curry (Volleyball)
Sheila Doyle (Volleyball)
Abby Fisher (Women's Swimming and Diving)
Hanna Gardner (Women's Soccer)
Sarah Hanvy (Women's Fencing)
Molly Hendrick (Women's Lacrosse)
Amanda Lalezarian (Women's Fencing)
Kendra Lynch (Softball)
Darcy McFarlane (Women's Soccer)
Katie McKay (Women's Swimming and Diving)
Hellen Moffitt (Women's Swimming and Diving)
Jack Nyquist (Men's Swimming and Diving)
Theophilus Onigbinde (Men's Fencing)
Caylee Waters (Women's Lacrosse)
Julia Young (Field Hockey)

2016–2017 Team Captains
Baseball
Tyler Lynn
Adam Pate

Women's Basketball
Hillary Fuller

Men's Fencing
Ezra Baeli-Wang
Michael Gopman Slonim
Theophilus Onigbinde
Connor Ritchey
Matthew Shlimak

Women's Fencing
Samantha Galina
Gabrielle D'Astoli
Sarah Hanvy

Field Hockey
Emma Bozek
Lauren Moyer
Julia Young

Football
Mack Hollins
Nazair Jones
Des Lawrence
Caleb Peterson
Mitch Trubisky
Nick Weiler

Men's Golf
Davis Bateman
Henry Do
Zach Martin

Women's Golf
Leslie Cloots
Bryana Nguyen

Men's Lacrosse
Luke Goldstock
Stephen Kelly
Ryan Macri
Austin Pifani
Mark Rizzo

Women's Lacrosse
Carly Davis
Molly Hendrick
Caylee Waters

Rowing
Alexis Amato
Egan Berne
Stephanie Wangerin

Men's Soccer
Walker Hume
Colton Storm

Women's Soccer
Hanna Gardner
Darcy McFarlane

Softball
Kendra Lynch
Katelyn Shifflett
Taylor Wike

Men's Swimming and Diving
Matt Conway
Jack Nyquist

Women's Swimming and Diving
Caroline Baldwin
Hellen Moffitt

Men's Tennis
Jack Murray
Ronnie Schneider

Women's Tennis
Hayley Carter

Track and Field/Cross Country
RJ Alowonle
Amanda Benninghoff
Mark Derrick
Paul Haley
Sarah Howard
Joe Sansone

Volleyball
Abigail Curry
Sheila Doyle

Wrestling
Joey Moon
Joey Ward

DEPARTMENT OF BIOLOGY

*The I. R. Hagadorn Award**
Anne Feng

DEPARTMENT OF BIOSTATISTICS

Smith Anderson Scholarship
Daniel Garbinsky

Nguyen V. Dat Scholarship
Teeranan Pokaprakarn

Regina C. Elandt-Johnson Master's Paper
Bradley Saul

Bernard G. Greenberg Fellowship
Derek Gazis
Rachel Hoffman
Alisa Urbano

Fryer Fellowship
Paloma Hauser

Hardison Scholarship
John Kidd

Larry Kupper Dissertation Award
Ran Tao

Barry Margolin Award for Excellence in Doctoral Research
Ai Ni

Mohberg Scholarship
Taylor Lagler

DEPARTMENT OF CELL BIOLOGY AND PHYSIOLOGY

NRSA Fellowship (F30) NIH-For M.D./Ph.D. Students — Eunice Kennedy Shriver National Institute of Child Health and Human Development
Brooke Campbell Matson

NRSA Fellowship (F31) NIH-National Cancer Institute
Matthew John Geden

NRSA Fellowship (F30) NIH-National Cancer Institute
Patrick Yunlong Lang

NRSA Fellowship (F31) NIH-National Institute of Diabetes, Digestive and Kidney Diseases
Bailey Zwarycz Altizer

The Graduate School — Dissertation Completion Fellowships
Victoria Brings Bartsch
Hailey Elizabeth Brighton

The Graduate School — Three-Minute Thesis Competition
Patrick Yunlong Lang

DEPARTMENT OF CITY AND REGIONAL PLANNING

American Institute of Certified Planners Award
Sarah Wraight

Best Master's Project in Economic Development
Rachel Wexler

Best Master's Project in Housing and Community Development
Katharine Baumann-Mitchell
Christopher Bendix

Best Master's Project in Land Use and Environmental Planning
Chase Nicholas

Best Master's Project in Placemaking and Real Estate Development and Design
Allen Wood

Best Master's Project in Transportation
Joseph Seymour

Doctoral Student Award for Excellence in Teaching
Mary Wolfe

NCAPA Outstanding Student Award
Taylor McAdam

Weiss Best Colleague Award
Taylor McAdam
Ashton Rohmer

DEPARTMENT OF CLASSICS

*The Eben Alexander Prize in Greek**
Vittorio Bottini

The Epps Prize in Greek Studies
Jake Zachary Rohde

The Herington Prize in Greek
Jessica M. Carter

The Herington Prize in Latin
Evan O. Colby

The Herington Scholarship
Olivia Marie Zitkus

The Nims Scholarship
Perla A. Castillejos
Andrianna S. Dallis
Alexander Warren Griffin
Philip Murray Wilson

*The Albert Suskin Prize in Latin**
Gabrielle Smith

DIVISION OF CLINICAL LABORATORY SCIENCE

Jesse C. Alphin Clinical Laboratory Annual Scholarship
John "Jack" Agres

Susan Lanning-Taylor Loyalty Fund Annual Scholarship
Amanda Vergnetti

Molecular Diagnostic Science Corporate Partner Program Scholarships
Lauren Frady
Sean Rankin

Outstanding Senior in the Division of Clinical Laboratory Science
Jennifer Marie Dorman

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowship
Sean Rankin

Louise M. Ward Scholarship
Matthew Lillis

DIVISION OF CLINICAL REHABILITATION AND MENTAL HEALTH COUNSELING

Dr. Mark C. Fleming Rehabilitation Counseling and Psychology Annual Scholarship
William S. Futch

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowships
Emily Robinson

DEPARTMENT OF COMMUNICATION

Jim Barry Production Scholarship
Matthew Clifton
Lana Jordan
Aaron Lovett

John Robert Bittner Fund in Literature, Popular Media and Journalism
Ali Sun Na

J. Robert Cox Award for Outstanding Achievement in Scholarship
Daniel B. Coleman Chavez

Rick Dees Scholarship
Mariana Abou-Rizk
Willow Barefoot
Layne Bolden
Hunter Braddy
Leslie Cao
Nicholas Hatcher
Lana Jordan
Joshua Pettway-Hinton
Aaron Lovett
Jacob Suggs

Lambda Pi Eta Theta Kappa Chapter Officers
Katarina Caskey, *President*

2016–2017 Initiates
Sarah Adams
Mikayla Bryant
Brynn Cameron
Ashton Carrick
Katarina Caskey
Sierra Cavazos
Lauren Dawson
Gabrielle Doria
Zaric Eisenberg
Raven Evans
Candace Gordon
Paige Johnson
Sarah Lanning
Siera Mallory
Jane Marshall
Dezbee McDaniel
Natalie Miles
Leslie Moen
Margaret Richter
Kristen Summey
Alyssa Teague
Olivia Terrell
Brian Vercauteren

Jim Lampley Award for Excellence in Multimedia
Savannah Dunn
Jake Raynor

John and Tatiana Moore Student Internship Award
Aaron Lovett
Catherine Dicus

Outstanding Achievement in Interpersonal and Organizational Communication
Katarina Caskey

Outstanding Achievement in Service and Leadership: Undergraduate
Mariana Abou-Rizk
Aaron Lovett

*The Wallace Ray Peppers Award in Performance of African and African American Literature**
Ashlei Heffernan

* *Chancellor's Award*

Alpha of North Carolina Chapter of Phi Beta Kappa
Mariana Abou-Rizk
Erin Allred
Willow Barefoot
Ashton Carrick
Rachel Lerner
Aaron Lovett
Caitlyn McHale
Kathryn Nakhle
Olivia Terrell
Mary Thurman

Michael Piller Excellence in Screenwriting Award
Ashton Carrick

Saint-Hayden Humanitas Award
Madison Schaper, *Script*

Sherrill-Pence Award for Applied/Engaged Communication
Marie Garlock

Special Initiative Award
Omprakash Kadiri
Marie Garlock
Ali Sun Na
Allison Schlobohm

DEPARTMENT OF COMPUTER SCIENCE

2016–2017 Charles H. Dunham Scholarship
Daniel Lee

Horizon Award for Significant Contributions to Educational, Economic, Physical, Social or Cultural Well-Being of N.C. Citizens and Beyond
Josh Welch

University Award for the Advancement of Women
Kaylee Llewellyn

2016 VGTC Virtual Reality Best Dissertation Award
Ravish Mehra

2016–2017 Stephen F. Weiss Award for Outstanding Achievement in Computer Science
Adam Adj

DEPARTMENT OF DRAMATIC ART

The Richard and Christopher Edward Adler Award
Calliope Parker George
Emily McGregor
Jonathan Moises Olivares
Kimberly Denise O'Neill
Kevin Pendergast
Emma Boureau Scaggs
Julia Catherine Warren

The Lillian Chason Scholarship
Nellie Katherine Wise

The Ruth and Wes Egan Award
Emerson Jones

Joseph D. Feldman Award
Kaitlyn Ave'Lallemant
Hyunjin Kim
Erik Robert Koehler
Adam John Swez

Virginia and George Ferguson Award in Honor of David Hammond
Benjamin Curns

The Andy and Cindi Griffith Scholarship
Catherine Baird
Rickie Lee Eatherly
Ashlei Lauryn Heffernan
Katherine Elizabeth Jones
Alexandra Elise Lagrand
Connor James Nielsen
McKenzie L. Wilson
Nellie Katherine Wise

The Joseph Haj Merit Award in Dramatic Art
Zavier Augustus Lee Taylor

Frederick M. Koch Memorial Scholarship
Michelle Bentley

The Louise Lamont Award
Geoffrey Robert Culbertson
Rishan Dhamija
Alex L. Givens
Jennifer Lynn Latimer
Shanelle Leonard
Christine Mirzayan
Tristan Parks

The Virgil and Marion Lee Fellowship
Catherine Baird
Cameran Paige Bellamy
Jackson Woodward Campbell
Harper Lee Cleland
Ashton Eleazer
Carter Lewis Guensler
Ashlei Lauryn Heffernan
Katherine Elizabeth Jones
Frankie Lipscomb-Cobbs
Emily Ann Pirozzolo
Robert Jeffrey Piscitelli
Gabriella Elizabeth Pickett
Paul Smith
Carson James Zone

Ella Mae Daniel and Robert H. Proctor Award
Scott Joseph Billik

The Irene Smart Rains Dramatic Art Award
Erin Torkelson

Samuel Selden Memorial Award
Robin Ankerich
Danielle Cara Soldat

DEPARTMENT OF ECONOMICS

*The Undergraduate Prize in Economics**
Ariana Brynn Vaisey

DEPARTMENT OF ENGLISH AND COMPARATIVE LITERATURE

Laurence G. Avery Award for Excellence in Teaching Literature
Adam Engel

Bain Award
Sean DiLeonardi

Doris Betts Award
Sarah Singer

Suzanne Bolch Literary Award
Aaron Lovett

Breen Award
Bebecca Shores

Ann Williams Burrus Prize
Ellen Boyette

Dissertation Research Fellowship
Adra Raine
Alexis Giachetti
Ani Govjian

Frankel Fellowship
Leslie McAbee
Ashley King
Katie Walker

Werner P. Friederich Dissertation Fellow
Alexis Giachetti

James R. Gaskin Award
James B. Bolling

Earl Hartsell Award
Ashley King

Hobby Fellowship
Lina Kuhn

C. Hugh Holman Fellow
Vera Foley

*Robert B. House Memorial Prize in Poetry**
Sumeet Patwardham

Howell-Voitle Award
Sheila Nayar

Jackson-Lea Fellowship
Tyler Bunzy

Kirby Fellowship
Kym Weed-Buzinski

Erika Lindemann Teaching Awards
Laura Broom
Moira Marquis
Leslie McAbee
Jennifer Park
Kym Weed-Buzinski

Douglas MacMillan Prize
Joseph Fletcher

*Louis D. Rubin Jr., Prize in Creative Writing**
Christine Jean Lloyd

Max Steele Prize in Fiction
Erik Schoning

McLaurin Fellowship
Bebecca Shores

Mini-Max Short-Short Fiction Prize
Victor Ayala
Anna Lee, *Second Place*
Trevor Lenzmeier, *Third Place*

Richardson Award
Kevin Pyon
Laura Sonderman

Ruth Rose Richardson Fellow
Bethany Lam

Thomson Award
Suzanna Geiser

Linda Wagner-Martin Award in Twentieth-Century Literature
Lindsay Starck

James Lawrence Whitfield Prize in English
Lorena Millo

DEPARTMENT OF ENVIRONMENTAL SCIENCES AND ENGINEERING

Callis Atkins Award
Melissa Buechlein

Herman G. Baity Bicentennial Fellowship
Kathryn Bradford

BB Parker Fellowship
Alexandra N. George
Cassandra J. Meakin

Bunker Award
Brenda Benavides

Chanlett Award
Surendra B. Kunwar

ESE Achievement Award
Katherine Connolly

Richard Hazen Fellowship
Alexander S. Gorzalski

Edward Kuenzler Scholarship
Claire Tipton

Linda West Little Scholarship
Kathleen Brown

Daniel A. Okun Scholar
Elizabeth Rehak

Alvis Turner Award
Corinne Wiesner

DEPARTMENT OF EPIDEMIOLOGY

H. Michael and Barbara Arrighi Endowed Scholarship
Amy Huber

Rebecca James Baker Scholarship
Suzanne Landi

Coroni-Huntley Scholarship
Grace Mulholland

Nancy A. Dreyer Endowed Scholarship
Greta Bushnell

Harry A. Guess-Merck Scholarship
Laura Hester

Barbara Sorenson Hulka Dissertation Award
Elizabeth Rogawski

Berton H. Kaplan Student Publication Award
Marissa Seamans

Sidney Kark Award for Distinguished Teaching Assistant
Xiaojuan Li

James A. Merchant Family Scholarship
Humberto Parada

Marilyn and Al Tyroler Scholarship
Carmen Cuthbertson

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

*The Patrick F. Earey Award**
Gabrielle Smith

*The Marty Pomerantz Sport Clubs Council Achievement Award**
Rachel Schwab

DEPARTMENT OF GEOGRAPHY

*The McNally Award for Excellence in Geography**
Tony Liu

DEPARTMENT OF GEOLOGICAL SCIENCES

*The Op White Prize in Geology**
Emma Blackwell

DEPARTMENT OF GERMANIC AND SLAVIC LANGUAGES AND LITERATURES

*The Paul Debreczeny Prize in Slavic Languages and Literatures**
Leona Amosah

*The Ria Stambaugh Undergraduate Award for Excellence in German**
Nathaniel Wagner

DEPARTMENT OF HEALTH BEHAVIOR

Harriet Barr Memorial Award
Marisa Martini

Dorothy Dunn Scholarship
Rebecca Hershow

Hatch-Barnhill Scholarship
Camille McGirt

Ethel J. Jackson Health Education Practice Award
Jessica Tufte

Kathryn J. Kerr Memorial Scholarship Award
Lindsay Bailey

Lansky Family Scholarship
Bridget Hochwalt

Lucy S. Morgan Fellowship Award
Ashley Crawford
Camille McGirt
Whitley Raney

DEPARTMENT OF HEALTH POLICY AND MANAGEMENT

AUPHA/McGaw Master's Scholar
Oluomachukwu Chukwu

AUPHA/McGaw Undergraduate Scholar
Rachel Elizabeth Bonesteel
Stephanie Ann-Wei Chien

Clive Boxhill Jr. Scholarship in Health Policy
Shekinah Fashaw
Dominika Fiolna

Deniese May Chaney Fellowship
Azure Utley

Margaret Dardess and T.E. Smith Scholarship
Caitlin Venable

Sandra B. Greene Scholarship in Health Leadership
David Adler

Arthur B. Holzworth Endowed Scholarship in Health Leadership
Julie Osgood

James P. Dixon Award for Excellence in Education
Sarah B. Hart
Hannah Yayoi Saggau

Arnold D. Kaluzny Award for Excellence in Undergraduate Research
Marissa Bane

Jacob Koomen Public Health Practice Award
Chris Skowronek

Ed McCauley Scholarship in Healthcare Leadership
Eric Hwu

The Terese S. and Mark H. Merrill Award
Holly Usiak

Benjamin Rodin Scholarship
Yamira Maldonado

Gerald D. Studer Undergraduate Student Award
Gloria Gaines

Charles A. Veatch Endowed Scholarship in Health Leadership
Evan Simpson

Jean G. Yates Health Policy Award
Asher Lisec

Jean G. Yates Outstanding Doctoral Student Award
Devon Check

W.N. Zelman Scholarship in Health Care Administration
Nicolas Hernandez

CAROLINA CENTER FOR JEWISH STUDIES

Carolina Center for Jewish Studies Undergraduate Research Award
Ori Hashmonay
Sophie Rupp

Carolina Center for Jewish Studies Undergraduate Travel / Study Abroad Award
Brian Farmer
Robert Lyerly

David Katz Undergraduate Study Abroad Award
Emily Gray
Josue Menjivar

* *Chancellor's Award*

Olivia Petrocella
Kirstyn Waller

Elsie Kaplan "Mother" Shapiro ZBT Undergraduate Research and Travel Grant
Stephanie Grant
Amanda Lalezarian
Aaron Lovett

Frenkel Undergraduate Study Abroad Award
Emily Gray
Kirstyn Waller

DEPARTMENT OF LINGUISTICS

*The Marc Adam Eisdorfer Award in Linguistics**
William Thomas Jeffrey Carter

DEPARTMENT OF MATERNAL AND CHILD HEALTH

Carolina Global Breastfeeding Institute Scholarship
Amber Christis

Cynthia H. Cassell Doctoral Dissertation Award
Kathleen Kenny

Edem Effiong Memorial Scholarship for Student Travel
Megan Barry

Global Health Internship Award
Meredith Burns

The Melinda Kellner Brock Scholarship
Amy Shadron

Sarah Taylor Morrow Scholarship
Sabrina Darwiche
Hannah Rackers

Jimmie Lee Rhyne Scholarship Fund
Zainab Alidina
Michela Garrison

John and Sallie Shuping Russell Scholarship in Global Health
April Aviles
Hannabeth Franchino-Olsen
Hannah Silverstein

Earl and Gladys Siegel Student Support
Valerie Lansdale

Katherine Ann Wildman Memorial Scholarship
Anna Austin
Stella Clingmon
Ellen Jones

DEPARTMENT OF MATHEMATICS

Alfred T. Brauer Prize
Samuel DeHority

*Archibald Henderson Mathematics Medal**
David John Spencer

J. Burton Linker Award
Francesca Bernardi

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

The Graduate School Dissertation Completion Fellowship
Julia Dunn
Bin-Jin Hwang
Kate Zulauf

G. Philip Manire Graduate Student Excellence in Research Award
Jenna Honeycutt, *2016*
Vivien Maltez, *2017*

D. Gordon Sharp Graduate Innovator Award
Penny Anders, *2016*
Christof Smith, *2017*

DEPARTMENT OF MILITARY SCIENCE

*The George C. Marshall Award**
Jared Miller

DEPARTMENT OF MUSIC

David Arons Award for Excellence in Musical Performance
Ethan Chu

Fred and Gail Fearing Jazz Studies Award
Atticus Joshua Brobst Reynolds

Danielle Elizabeth Liotta Award
Brian Joseph Holtshouser

Major Y Award
Colin Michael Wells

Music Department Award for Academic Excellence
Shafali Fleur Jalota

*Earl Slocum Band Award**
Kenneth Isaac Weber

Benjamin Swalin Orchestra Award
Katherine Elizabeth Campbell
Elizabeth Ellis Eason
Joshua Paul Hartman

UNC Band Directors Award
Nathaniel Jon Cross
Sarah Estelle Schauber
Akilah Farah Williams

Other Awards

National Association of Teachers of Singing Mid-Atlantic Regional Student Auditions
Sarah Kathleen Adams, *Second Place, Classical*
Shafali Fleur Jalota, *First Place, Classical*
Annie Margaret Keller, *Second Place, Musical Theatre*

National Association of Teachers of Singing North Carolina State Student Auditions
Sarah Kathleen Adams, *Honorable Mention, Classical*
Roisin Anne Bermingham, *Honorable Mention, Classical*
Keenan Brown, *Honorable Mention, Musical Theatre*
Claire Kristin Cooper, *First Place, Classical*
Alina Yevrukhina Gabitov, *Honorable Mention, Classical*
Jordan Alexander Gerber, *Honorable Mention, Classical*
Jordan Belle Holoman, *Second Place, Classical*
Shafali Fleur Jalota, *First Place, Classical*
Annie Margaret Keller, *Second Place, Musical Theatre*
Elizabeth Anne Kent, *First Place, Classical*

National Association of Teachers of Singing U.S. National Student Auditions
Shafali Fleur Jalota, *Semifinalist, Classical*
Annie Margaret Keller, *Semifinalist, Musical Theatre*

DEPARTMENT OF NAVAL SCIENCE/NROTC

American Legion Military Excellence Medal
Sean David Standard

American Veterans
Jacob William Crucian

Maj Bradley Allen Barker III Scholarship Award
Issiah Andrew Leiva

Captain Tony F. Clark Oceanography Award
Samuel Hayato Smith

Patrick Connor Award
Jacob William Crucian

*The Josephus Daniels Scholarship Medal**
Brian Francis Schmid

George Herbert Leadership Award
Jacob William Crucian

Hudson Foundation Scholarship Award
Brian Francis Schmid

CDR Christopher Mills Memorial Award
Peter Griffin Buskill

Chief of Naval Operations Distinguished Graduate Award
Brian Francis Schmid

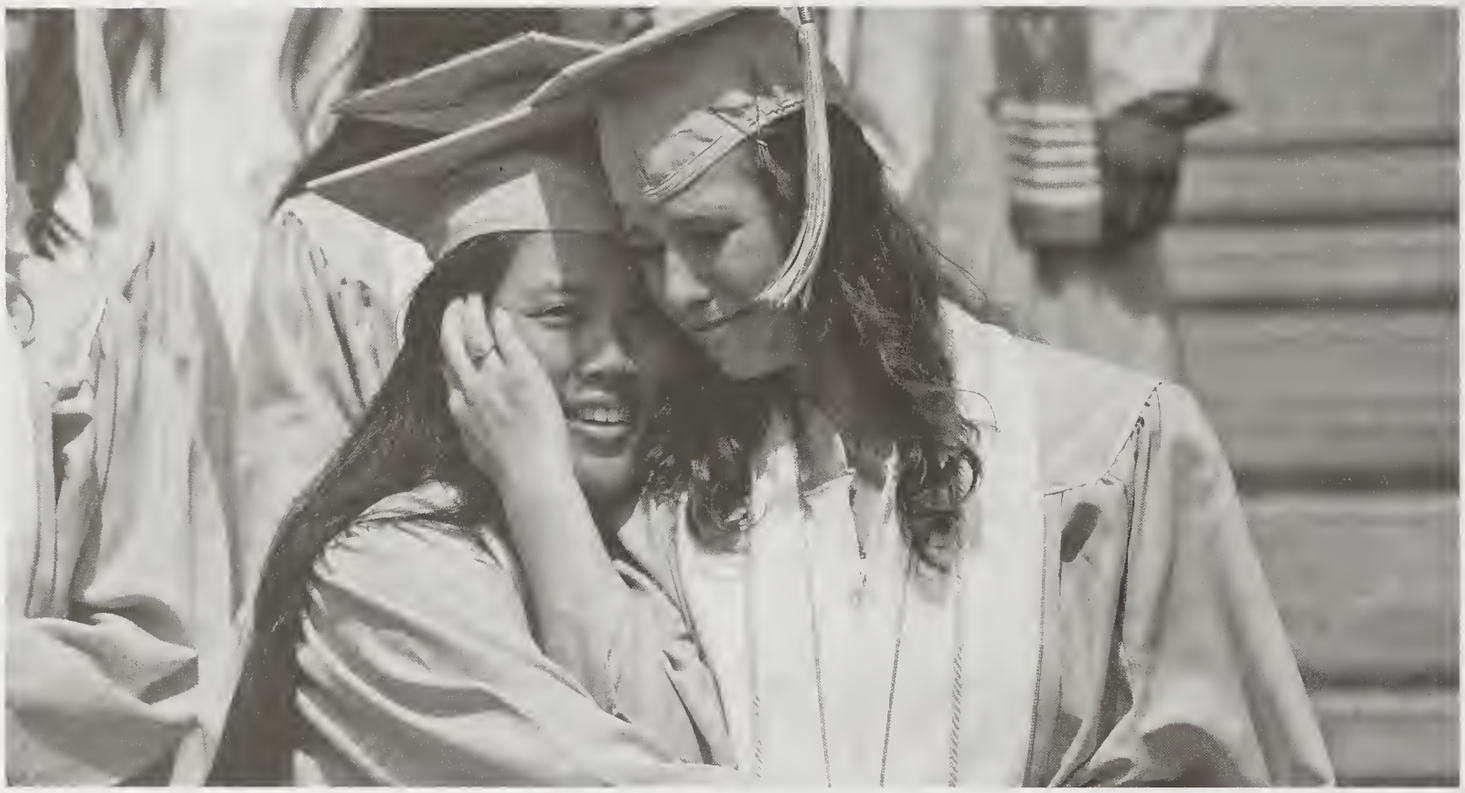
Reserve Officers Association
Carter Jackson Bowman

Sandra and Charles Julian Wolfe Jr. Scholarship Award
Sean David Standard

DEPARTMENT OF NUTRITION

A. Hughes Bryan Outstanding Doctoral Award
Fei Dong
Gina Lauren Tripicchio

Ethel J. Coleman Scholarship
Daniel Lupu
Jennifer Rebeles



Joseph Edozien Outstanding Undergraduate Award
Steven Doerstling
Ottavia Zattra

MaryAnn C. Farthing Scholarship
Claire Phyllis Bailey
Stephanie Bryant
Colton Rick Schille
Jenna Nicole Domino White

Cynthia Kay Reeser Scholarship
Erin Marie Kuta

Laurel E. Zaks Global Public Health Nutrition MPH Scholarship
Samantha Elise Croffut

PATHOBIOLOGY AND TRANSLATIONAL SCIENCE GRADUATE PROGRAM

Katherine Pryzwanski Young Investigator Award
Nicole Fleming

Robert H. Wagner Scholar
James Byrnes
Robbie McNeill

CURRICULUM IN PEACE, WAR AND DEFENSE

Russell S. Cowell Jr. Academic Excellence Award in the Major
Alexander David Zorich

Richard H. Kohn Academic Excellence Award
Brook Alexandria Davies

DEPARTMENT OF PHILOSOPHY

*The Worth Award**
Jake Zachary Rohde

DEPARTMENT OF PHYSICS AND ASTRONOMY

*The Paul E. Shearin Outstanding Senior Award in Physics**
Sheridan Green
Chiara Salemi

DEPARTMENT OF POLITICAL SCIENCE

*The L. Richardson Preyer Award for Excellence in Political Science**
Lauren Grace Kent
Katherine Anne Stotesbery

DEPARTMENT OF PSYCHOLOGY AND NEUROSCIENCE

David Bray Peele Award
Phylicia J. Currence
Isai Garcia-Baza
Jihane Jadi
Elizabeth Christina Sassi Reeder Picozzi
Elena Elmerinda Scialabba

Lindquist Undergraduate Research Award
Samantha Nicole Brosso
Anika Nurin Khan
Rachel E. Lerner

Summer Undergraduate Research Fellowship
Corryn Nichole Chaimowitz
Madison Caroline Chandler
Archita Chandra
Jihane Jadi
Grayson Knox Rodgers

DEPARTMENT OF PUBLIC HEALTH LEADERSHIP

ANCBH Vaughn Upshaw Scholarship
Stephen A. Eaton

Russell P. Harris Award
Christine Jackson

Rachel Stevens Scholarship
Robin B. Richardson

PHLP Travel Award
Nicholas B. George
Christine Pettitt-Schieber

DEPARTMENT OF PUBLIC POLICY

The Richard "Pete" Andrews Fellow in Environmental Policy 2016
S. Elva Bennett
David Vitek

The Center for the Study of the President and Congress Fellow
Devon Clare Genua

The Hodding Carter III Public Service Fellowship 2016
Diane Li

The Michael A. Stegman Award for Policy Research and Advocacy 2017
Kara P. Mitchell

DIVISION OF RADIOLOGIC SCIENCE

The Phyllis Ann Canup Pepper Radiologic Science Memorial Fund Scholarships
Danielle Kristen Isetts

Lindsey Walker
Christopher Watson

Buddy Clark Loyalty Fund Radiologic Science Annual Scholarship
Jessica Meyers

Dr. Jerry Lambiente Radiologic Science Loyalty Fund Annual Scholarship
Julia Schwabrow

Drs. Jerome Puryear and Latonya Brown-Puryear Endowed Scholarship in Radiologic Science
Felicia Branch

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowship
Christopher Watson

DEPARTMENT OF RELIGIOUS STUDIES

*The Bernard Boyd Memorial Prize**
Averyl Edwards

DEPARTMENT OF ROMANCE STUDIES

*The Camões Prize in Portuguese**
Joseph May

*The Jacques Hardré Undergraduate Award for Excellence in French**
Anna Taylor

*The Sterling A. Stoudemire Award for Excellence in Spanish**
Enrique Santacruz Toloza

DEPARTMENT OF SOCIOLOGY

*The Howard W. Odum Undergraduate Sociology Award**
Oluseun Omitoogun

DIVISION OF SPEECH AND HEARING SCIENCES

Adult Communications Disorders Annual Scholarship
Nancy Vallejo

Millicent Blair Arnett Memorial Speech-Language Pathology Annual Scholarship
Amy Munekata

The Robert W. Peters Award for Excellence in Research Endowment
Ching Yi (Ginni) Lam

Janice Rebecca Pettie Bowles Speech and Hearing Sciences Annual Scholarship
Leah Baumgart

Rebecca Rule Womble Speech and Hearing Sciences Annual Scholarship
Sarah Plascyk

DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

W. Robert Mann Award
Allison Jesse Martin

Mathematical Decision Sciences Award
Zijun Tian
Aleksandr Igorevich Touzov

STOR Outstanding Achievement Award
Ruituo Fan

STOR Teaching Award
Kelly Nicole Bodwin
Jimmy Jin
John Joseph Palowitch

DEPARTMENT OF WOMEN'S AND GENDER STUDIES

*The Mary Turner Lane Award in Women's and Gender Studies**
Justine Schnitzler

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Kylie Corcoran Apple
Tiffany Bailey
Angelyn (Angie) S. Bitting
Rich Burris
Bruce Cairns
Debbie Dibbert
Douglas S. Dibbert
Jeffrey W. Fuchs
Austin Gold
Elizabeth S. Grady
Sam Miles Green
Deborah L. Hawkins
Rudolph Valentino Jones
Jacob Kornegay
Allison Legge
Leslie S. Lerea
Mark Moon
Cecelia Moore
Laura Hayes Morgan
Bradley Opere
Joanne Peters
Valerie A. Price
Terry Ellen Rhodes
Gregory Dylan Russell
James I. Spurling
Vincas Steponaitis
Charles Streeter
Natalie Vizuete
Stacey Harris Warner

Credits

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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

2017

Commencement

The University *of* North Carolina *at* Chapel Hill

Sunday, December Seventeenth Two Thousand Seventeen

MESSAGE *from the* CHANCELLOR CAROL L. FOLT

Welcome to your Tar Heel Graduation. We are proud of what you accomplished during your years at Carolina, and this is your moment to celebrate.

Family members and friends, as we celebrate your students' graduation and transition from our campus, we thank you for giving us the opportunity to ignite their dreams and passions. The foundational support and incredible encouragement you provided helped guide them to this special moment in their lives.

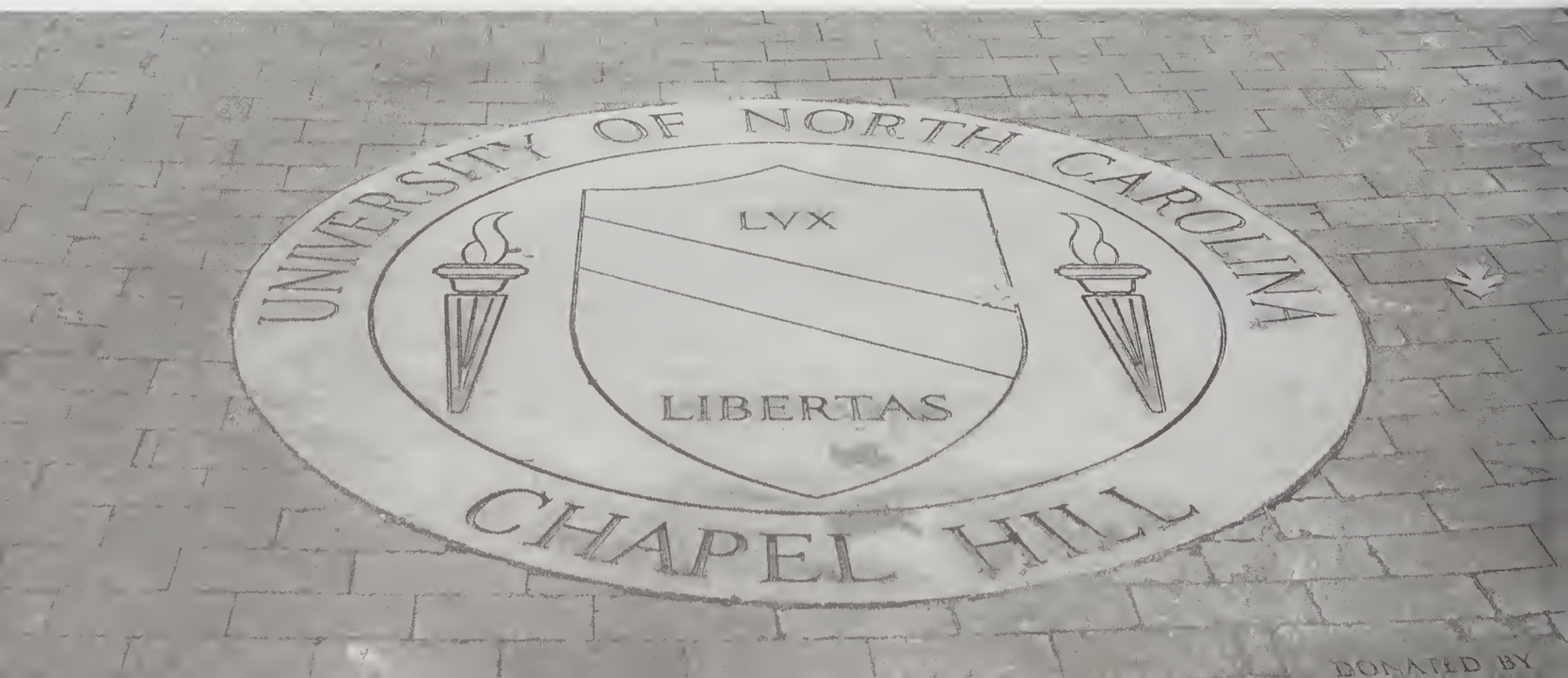
At Convocation and other campus events, I remember looking into the sea of faces that would become the Class of 2017. While I saw questions and uncertainties, what touched me was something else I saw – the beginnings of life success stories forming and the first brush marks of Carolina aspirations you intended to paint. I also congratulate and thank our graduate and professional students for your academic achievements and service that will make a difference in our world. Today we acknowledge the accomplishments of all graduates as they step across the threshold of our university into the world of future endeavors. Personal drive and determination to understand, innovate, and create – helped along by faculty who believed in you and fueled your passion – brought you here today, ready to serve for the greater good and discover for the benefit of humanity.

You join generations of Carolina graduates who tackled the thorniest and most complex problems of their age. You are prepared to make your own contributions that will extend across our state, nation and world. The support of your Carolina family connections – a network you can tap into no matter where you are in our world – will sustain and support you as you create success across fields of endeavor that continue to evolve at an incomprehensible rate of change.

Congratulations, graduates! We look forward to learning about your accomplishments in the years ahead.

Carol L. Folt

CAROL L. FOLT



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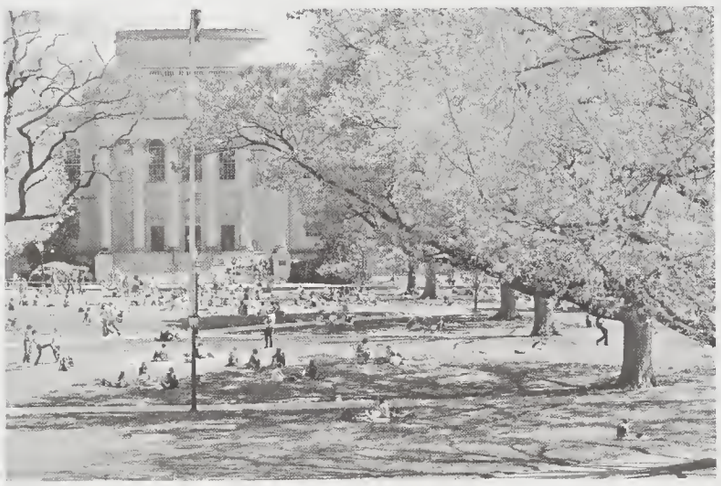
ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.



HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

If you have any questions regarding Commencement activities, or in the event of an emergency, please contact an usher.

Open captioning of the ceremony will be available on the video screens in the Dean Smith Center.*

This Commencement program is printed prior to administering final examinations. Therefore, including degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

All diplomas are printed after graduation and are mailed to graduates. Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Abigail Panter, *Senior Associate Dean of Undergraduate Education and Professor of Psychology and Neuroscience*
	The Official Party
	The Faculty
	The Candidates for the Degrees of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health
	The Candidates for Master's and Professional Degrees
	The Candidates for Baccalaureate Degrees SENIOR CLASS MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS
Presiding	Carol L. Folt, *Chancellor of The University of North Carolina at Chapel Hill*
National Anthem	Madelyn Edwards, *Class of 2017 (December)* WITH THE ENTIRE ASSEMBLAGE
Recognition of Platform Party	Carol L. Folt
Welcome Remarks	FOR THE BOARD OF GOVERNORS OF THE UNIVERSITY OF NORTH CAROLINA Ann Maxwell
	FOR THE BOARD OF TRUSTEES OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL Charles G. Duckett
	FOR THE GENERAL ALUMNI ASSOCIATION Jim Delany, *Chair, Board of Directors*
Introduction of Commencement Speaker	Karli Krasnipol, *President of the Class of 2018*
Commencement Address	Satish Gopal, *Assistant Professor of Medicine, UNC School of Medicine (Divisions of Hematology-Oncology and Infectious Diseases) and Cancer Program Director, UNC Project-Malawi*
Recognition of Doctoral Candidates	Steven W. Matson, *Dean, The Graduate School*
Introduction of Deans, Conferring of Degrees, and Chancellor's Charge to the Graduates	Carol L. Folt
Ceremonial Recognition of the Graduates	Aaron Epps, *Vice President of the Class of 2018*
"HARK THE SOUND"	Madelyn Edwards
Academic Recessional	*Please remain in place for the recessional of the Official Party, Faculty and Candidates for Degrees – led by the Faculty Marshal and the Senior Class Marshals.*

CAROL L. FOLT

Chancellor

When Carol L. Folt became Carolina's 11th chancellor, and 29th in the lineage of leaders that dates back to Carolina's founding, she said: "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt, an internationally recognized life scientist, award-winning teacher and accomplished academic leader, has worked to fulfill that honorable charge by placing Carolina's students at the center, advancing the University's academic excellence, championing Carolina as a leading global public research university and focusing on innovation through the development of new avenues for entrepreneurship that are translating world-class ideas into real-world applications.

Carolina, which routinely ranks among the nation's top public universities and is noted as one of the best values in college education, welcomed its largest and most accomplished class this past fall. Once again selected from a record pool of applicants, approximately 15 percent of the Class of 2021 are the first in their family to attend a four-year institution of higher education, and the number of active duty and veterans of military service on campus continues to increase. Carolina is one of the nation's top ten research universities and, in the last couple of years, the University has reached nearly $1 billion in annual research expenditures.

Under the chancellor's leadership, Carolina also has continued to improve on the school's winning track record of undergraduate diversity, retention and graduation rates – particularly for low-income, first-generation and underrepresented students – while moving forward with additional emphasis on Carolina's historic commitment to ensuring affordability together with accessibility and excellence. Carolina received the Jack Kent Cooke Foundation 2017 award for Equity in Educational Excellence, the largest award in the nation recognizing a college or university for its success in enrolling low-income students and supporting them to successful graduation. Carolina is one of the few public universities that remains both need-blind and covers the full financial need of its students. Carolina is the least expensive of 14 peer public universities, and debt-per-student,

just over half of the U.S. average, has remained nearly flat in inflation-adjusted dollars for more than a decade.

As leader of North Carolina's flagship public university, Folt and her leadership team champion attracting, developing and retaining world-class faculty that are focused on excellence in teaching and research. Carolina's faculty lead by doing, and each day they share their knowledge and excitement with the next generation who will face a rapidly evolving future as they embark upon impactful careers, many in fields that don't exist today. Carolina is committed to benefiting its local and state communities and to cultivating the global outlook of its students, with more than a third of Carolina undergraduate students studying abroad – one of highest rates among public universities.

Folt believes a key mission of the chancellor is to share broadly stories about student and faculty excellence, demonstrating Carolina's value to the state and commitment to the future. An enthusiastic presence in classrooms and at campus events and athletic competitions, Folt brings students and faculty to every meeting of Carolina's Board of Trustees to discuss groundbreaking research and academic accomplishments, and she initiated significant investments in the communications team to tell stories to new audiences across the state, nation and world.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013 and served as a faculty member in the Department of Biological Sciences and an academic leader. As a widely respected scientist, Folt and her students' pioneering work on the effects of dietary mercury and arsenic on human and ecosystem health led to numerous changes in national and global policy and consumption advisories around the world. Folt graduated from the University of California, Santa Barbara, earning both a bachelor's degree in aquatic biology and a master's degree in biology. She received her doctorate from the University of California, Davis and undertook a postdoctoral fellowship at Michigan State University before joining the faculty at Dartmouth.

Follow @ChancellorFolt on Twitter

SATISH GOPAL

The Commencement Speaker

Satish Gopal, M.D., M.P.H., is a board-certified medical oncologist and infectious disease physician. He joined the UNC–Chapel Hill faculty in 2012, and is an associate professor in the UNC Lineberger Comprehensive Cancer Center, the Institute for Global Health and Infectious Diseases, and the Gillings School of Global Public Health.

He lived in Tanzania from 2007 until 2009, during which time he developed a career interest in finding ways to effectively control cancer in highly resource-limited settings. He has lived in Lilongwe since 2012 with his wife and two young daughters, where he is director of the cancer program at UNC Project-Malawi. He leads Malawian participation in several NIH-sponsored cancer research networks in Africa. He also provides care to patients in the Kamuzu Central Hospital Cancer Clinic at a national teaching hospital in Lilongwe. He mentors U.S. and Malawian trainees working on cancer projects, including pre- and post-doctoral students and fellows from UNC.

He is principal investigator for the Malawi Cancer Consortium and Regional Center of Research Excellence for Non-Communicable Diseases funded by the U.S. National Cancer Institute, and is leading one of the first ever clinical trials evaluating the application of non-cytotoxic targeted treatment to improve cure rates for lymphoma in Africa.

He is also honorary senior lecturer in the University of Malawi College of Medicine, and assists with cancer-related teaching for Malawian undergraduate and postgraduate trainees.

Officers of the Class of 2018

Karli Elizabeth Krasnipol, *President*
Aaron Eric Epps, *Vice President*
Kylie Apple, *Advisor*
Chris Ford '13, *Annual Giving Liaison*

Marshals of the Class of 2018

Yonel W. Admasu
Shaily N. Aghera
Jessica Tiffany Amberg
Catherine Michelle Armstrong
Arefa Bacchus
Cierra Alexandria Baldwin
Andrea Jacqueline Barnes
Cassidy Alexandra Beegle-Jackson
Morgan Elizabeth Bizzell
Jacob Taylor Blount
Christiana Louise Boals
Travis Benjamin Broadhurst
Kelly Patricia Campbell
Alexandra Julienne Celetti
Stevie Anissa Danielle Coleman
Abigail Deberry
Samantha Inez Espada
Desirae Delgado Fewell
Brian Michael Fields
Joia Michelle Freeman
Ryan Chandler Fuller
D'Angelo Gatewood
Shawn Patrick Hines
Morgan Symone Howard
Elizabeth Kadic Hulme
Nupur Jain
Jacob L. Kerns
Sarah Leck
Tierra Monique Marsh
Adam Michael Miller
McNair Hardison Mitchener
Erin Kelly Naziri
JaBria Chauntel Owens
Madison Ann Pleasants
Mel'leeah S. Robinson
Sonam Kamlesh Shah
Charles Devine Smith IV
Michael Andrew Tommer
Aliya E. Tucker
Marissa Brianna Varnadore
Myra Waheed
Ashley Chanel Westbrook
Gabrielle Celeste Whiten
Elizabeth Lawson Wright

Graduate and Professional Student Federation Officers, 2017–2018

Madelyn Percy, *President*
Brian Coussens, *Vice President*
Toney Thompson, *Chief of Staff*
Katie Stember, *Chief of External Relations and Advocacy*
Manuel Hernandez, *Chief of the Exchequer*
Joanna Warren, *Executive Secretary*

Board of Trustees

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EX-OFFICIO
Fayetteville, N.C.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication
Certificate – UNC Core

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Elementary Education; Human Development and Family Studies; Middle Grades Education
Bachelor of Arts in Media and Journalism
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology; Statistics and Analytics
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Ecology; Education; Educational Innovation, Technology and Entrepreneurship; English and Comparative Literature; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Physical Therapy
Master of Professional Science in the discipline of:
Biomedical and Health Informatics; Digital Curation; Toxicology
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell Biology and Physiology; Chemistry; Clinical Rehabilitation and Mental Health Counseling; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and

Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neuroscience; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Craniofacial Biomedicine; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research

Master of Science in Disaster Management

Master of Science in Environmental Engineering

Master of Science in Information Science

Master of Science in Library Science

Master of Science in Nursing

Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health

Master of Social Work

Doctor of Nursing Practice

Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biological and Biomedical Science; Biomedical Engineering; Biostatistics; Business Administration; Cell Biology and Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Computer Science; Ecology; Economics; Education; English and Comparative Literature; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; German Studies; Germanic Languages; Health Behavior; Health Informatics; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neuroscience; Nursing; Nutrition; Occupational Science; Oral and Craniofacial Biomedicine; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology

Doctor of Dental Surgery

Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership

Doctor of Medicine

Doctor of Pharmacy

Doctor of Physical Therapy

Juris Doctor

CANDIDATES *for* GRADUATE DEGREES

December 2017 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Saada Salim Al-Barwani, *Nursing,* Employing the Theory of Planned Behavior to Predict Breastfeeding Intention and Intensity in Oman. Professor Eric Hodges.

Candice Lynette Alick, *Nutrition,* The Effect of TEAM (Together Eating and Activity Matters) Intervention on Weight Loss Among Black Men. Professor Deborah F. Tate.

Gabriela Arandia, *Health Behavior,* Understanding Relationships Between Child Care Workers' Eating Habits and Spatial Access to Food Outlets Around Workers' Homes, Workplaces and Along Commutes. Professor Laura A. Linnan.

Magdalene Marie Assimon, *Epidemiology,* Investigating the Longitudinal Patterns of Use and Comparative Effectiveness of Beta Blocker Therapy in the Hemodialysis Population. Professor M. Alan Brookhart.

Stefanie Ann Baril, *Chemistry,* Applications of Unnatural Amino Acid Mutagenesis for Biocatalysis and Molecular Recognition. Professor Eric M. Brustad.

Aniket Bera, *Computer Science,* Interactive Tracking, Prediction and Behavior Learning of Pedestrians in Dense Crowds. Professor Dinesh Manocha.

Loneke Tafewa Blackman Carr, *Nutrition,* Examining the Effectiveness of Behavioral Weight Loss Interventions Among African American Women. Professor Deborah F. Tate.

Rachel Marie Bleich, *Pharmaceutical Sciences,* Bacillus as a Heterologous Platform for Peptide Drug Discovery. Professor Albert Bowers.

Cameron James Bloomquist, *Pharmaceutical Sciences,* Continuous Liquid Interface Production of Medical Devices for Drug Delivery and Cancer Therapy. Professor Joseph M. DeSimone.

Morgan McNeil Brady, *Genetics and Molecular Biology,* Meiotic Crossover Patterning in the Absence of ATR. Professors Jeff Sekelsy and Dale Ramsden.

Andrew Paul Brna, *Biomedical Engineering,* Spatiotemporal Response Dynamics of Cortical Neuron Populations in Rat Somatosensory Cortex. Professor Oleg Favorov.

Alexis Aubree Bryson, *Communication Studies,* Review Culture and the Growing Significance of Customer Evaluation in Service Work: A Qualitative Study of Real Estate Brokers and Their Work. Professor Sarah Dempsey.

Kevin Matthew Byrd, *Oral and Craniofacial Biomedicine,* How to Make a Mouth: Oral Epithelia Require Locoregional Mitotic Diversity in Morphogenesis and in Maintenance. Professor Scott Williams.

Marissa Lynn Cann, *Pharmacology,* Identifying Therapeutic Agents for the Treatment of Diffuse Large B-Cell Lymphoma. Professor David Lawrence.

Maren Ettinger Cannon, *Genetics and Molecular Biology,* Characterizing Cardiometabolic GWAS Loci With Regulatory Annotation, Regulatory Assays, Trans-Ancestry Fine-Mapping, and Open Chromatin Profiling. Professor Karen Mohlke.

Cassie Caudill, *Pharmaceutical Sciences,* Engineering Microneedles for the Transdermal Delivery of Therapeutics. Professor Joseph DeSimone.

Christopher Martin Caver, *Political Science,* Finding a Home in the World: Hannah Arendt and the Principles of Political Love. Professor Stephen Leonard.

Michael David Clark, *Human Movement Science,* Repetitive Head Trauma in Early Cognitive and Behavioral Decline and Frontolimbic Dysfunction. Professor Kevin Guskiewicz.

Erica Won Cloer, *Cell Biology and Physiology,* Molecular Mechanisms of Patient-Derived KEAP1 Superbinder Mutants. Professor Michael Ben Major.

Mitchell Mark Conover, *Epidemiology,* Methods for Classifying Patient Histories in Secondary Healthcare Data. Professor Michele Jonsson Funk.

Daniela Cunico Dal Pra, *Romance Languages and Literatures,* At the Crossroads of Identity: The Migration Cinema of the Triveneto. Professor Federico Luisetti.

Heather Kaye Decot, *Neuroscience,* Dopamine-Mediated Alterations in Brain-Wide Functional Dynamics Measured by fMRI. Professor Garret D. Stuber.

Brian Nicholas DiMarco, *Chemistry,* Electron Transfer Reactions at Sensitized Nanocrystalline Metal Oxide Interfaces. Professor Gerald Meyer.

Mary Elizabeth Domenico, *Communication Studies,* The Spirit of Transformation Politics: Human Nature, Communication and Community. Professor Christian Lundberg.

Ann Lynette Emery, *Genetics and Molecular Biology,* Regulation of HIV-1 Splicing. Professor Ronald Swanstrom.

Fei Gao, *Biostatistics,* Semiparametric Regression Analysis of Right- and Interval-Censored Data. Professors Donglin Zeng and Danyu Lin.

Tianxiang Gao, *Computer Science,* Extracting Information From Deep Learning Models for Computational Biology. Professor Vladimir Jojic.

Hatice Arzu Ghulamani, *Education,* Exploring Family-Centered and Socioculturally Responsive Practices in Early Childhood Providers' Self-Identified Dilemmas of Practice. Professor Harriet Able.

Mrudula Borse Glassberg, *Pharmaceutical Sciences,* Comparative Effectiveness and Safety of Anticoagulants in the Prevention of Venous Thromboembolism in Elective Hip and Knee Replacement Surgery Patients. Professors Joel Farley and Stacie Dusetzina.

Andrew Curtis Graczyk, *Economics,* Housing Bubbles and Income Inequality. Professor Anusha Chari.

Ann Elizabeth Halbert-Brooks, *History,* An Army of Teachers: Cuban Women in Political Education, From the Literacy Campaign to Yo Sí Puedo. Professor Louis A. Perez Jr.

Fletcher William Halliday, *Biology,* The Community Ecology of Plant Parasites: From Coinfections to Metacommunities. Professor Charles E. Mitchell.

Cassandra Kay Hayne, *Biochemistry and Biophysics,* Biochemical Characterization of Lipoprotein Lipase. Professor Saskia Neher.

Kati Lynn Healey, *Psychology,* An Examination of D-Serine Augmentation on the Behavioral and Cellular Mechanisms of Cocaine Seeking. Professor Kathryn J. Reissner.

Andres Ruben Henriquez Coria, *Toxicology,* Ozone-Induced Lung Injury and Inflammation are Modulated by Circulating Stress Hormones. Professor Urmila Kodavanti.

Victor Heorhiadi, *Computer Science,* Expression and Composition of Optimization-Based Applications for Software-Defined Networking. Professor Michael Reiter.

Michael Dean Hoffman, *Physics,* Thermodynamics of One-Dimensional Many-Flavor Fermions at Finite Temperature: Density, Pressure, Compressibility and Contact. Professor Joaquin Drut.

Matthew Allan Horwitz, *Chemistry,* Complexity-Building Transformations Enabled by Bronsted Base Organocatalysis and Progress Toward the Total Synthesis of the Veratrum Alkaloids Jervine, Cyclopamine and Veratramine. Professor Jeffrey S. Johnson.

Kelly Marie Houck, *Anthropology,* Early Life Effects of a Dual Burden Environment: Childhood Intestinal Health and Immune Function in Galapagos, Ecuador. Professors Amanda Thompson and Mark Sorensen.

Aleksandra Eva Jakubowski, *Health Policy and Management,* Impact of Large-Scale Health Interventions on Population Health, Economic Functioning and Investments in Human Capital in Sub-Saharan Africa. Professor Harsha Thirumurthy.

Shaili Chaitanya Jha, *Neuroscience,* Environmental and Genetic Influences on Infant Cortical Thickness and Surface Area. Professor Rebecca Knickmeyer.

Dinghuang Ji, *Computer Science,* Data-Driven 3D Reconstruction and View Synthesis of Dynamic Scene Elements. Professor Jan-Michael Frahm.

Christopher Michael Jones, *Geography,* Long-Term Impacts of Sudden Oak Death and Interactions With Fire in Big Sur, Calif., Using Coupled Dynamic Spatial Temporal Epidemiological Modeling. Professor Aaron Moody.

Meghan Elizabeth Jones, *Psychology,* The Role of Hippocampal Neural Immune Signaling in Stress-Enhanced Fear Learning: Implications for Post-Traumatic Stress Disorder. Professor Donald T. Lysle.

Preetesh Anand Kantak, *Business Administration,* Asset Prices, Local Prospects and the Geography of Housing Dynamics. Professor Riccardo Colacito.

Richard M. Lambert, *German Studies,* In Search of Lost Experience: Hermann Broch, Robert Musil and the Novels of Interwar Vienna. Professor Richard Langston.

Thomas Richard Lane, *Biochemistry and Biophysics,* The Structure of the EF-Hand-GAR Module of ACF7 and the Delineation of Microtubule-Binding Determinants. Professor Kevin Slep.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Katherine Lansu, *Pharmacology,* Ligand Discovery and Functional Characterization of MRGPRX Family Orphan GPCRs. Professors Bryan Roth and Robert Nicholas.

Emily Learner, *Epidemiology,* Examining Long-Term Chlamydia Prevalence and Case Rate Trends Among Young Adults in the United States. Professor William Miller.

Yunxiao Liu, *Statistics and Operations Research,* Semiparametric Inference for Integrated Volatility Functionals Using High-Frequency Financial Data. Professors George Tauchen and Chuanshu Ji.

Brettania L. W. Lopes, *Epidemiology,* Initiation, Retention and Survival in HIV Clinical Care: Effect of Residence. Professor Sonia Napravnik.

Daniel Benjamin Lunn, *Chemistry,* Porous Graphitic Carbon for Separations of Metabolites. Professor James Jorgenson.

Vivien Ileana Maltez, *Microbiology and Immunology,* Inflammasomes and Cytotoxic Lymphocytes Clear Bacteria From Different Intracellular Niches. Professor Edward Miao.

Brooke Campbell Matson, *Cell Biology and Physiology,* Molecular Regulators of Embryo Implantation and Pregnancy. Professor Kathleen M. Caron.

Stephanie Lynn Mazzucca, *Nutrition,* Physical Activity and Sedentary Behavior in Early Care and Education Centers: Identifying Opportunities and Testing Strategies to Support Active Classroom Environments. Professor Dianne Stanton Ward.

Yu Meng, *Computer Science,* Computational Cortical Surface Analysis for Study of Early Brain Development. Professors Dinggang Shen and Marc Niethammer.

Eliot Stephen Meyer, *Environmental Sciences and Engineering,* Managing the Financial Risk of Variable Water Levels in the Great Lakes. Professor Gregory Characklis.

Samuel Alan Miller, *Mathematics,* Relating Holomorphic Bundles on the Second Hirzebruch Surface to Equivariant Instantons on the Total Space of O(-1). Professor Justin Sawon.

Taylor Moot, *Chemistry,* Probing the Metal Oxide Local Environment for Thermochromic and Photovoltaic Applications. Professor James Cahoon.

Jennifer C. Morgan, *Health Behavior,* Social Interactions About Pictorial Cigarette Pack Warnings. Professor Noel Brewer.

Rebecca Boyd Naumann, *Epidemiology,* Assessing Sustained and Differential Impacts of North Carolina's Medicaid "Lock-In" Program. Professor Stephen Marshall.

Nadia Nguyen, *Epidemiology,* Sexual Partner Type and Risk of Incident HIV Infection Among Adolescent Girls and Young Women in Rural South Africa. Professor Audrey Pettifor.

John Joseph Noto, *Genetics and Molecular Biology,* Endogenous and Engineered Expression of tRNA Intron-Derived Circular RNAs. Professor Greg Matera.

Kevin Raymond Olson, *Chemistry,* Nonflammable Perfluoropolyether Electrolytes for Safer Lithium-Based Batteries. Professor Joseph M. DeSimone.

Shaily Shashikant Patel, *Religious Studies,* Magical Practices and Discourses of Magic in Early Christian Traditions: Jesus, Peter and Paul. Professor Bart D. Ehrman.

Kristina Marie Patterson, *Public Policy,* Civic Identity, Civic Skills and Civic Knowledge: The Role of Adolescent School Experiences in Facilitating Civic Engagement in Adulthood. Professor Gary Henry.

Bryan Christopher Quach, *Bioinformatics and Computational Biology,* Computational Approaches to Studying Gene Regulation Using Chromatin Accessibility and Gene Expression Assays. Professor Terrence Furey.

Sarah Elisabeth Ramdeen, *Information and Library Science,* Information-Seeking Behavior of Geologists When Searching for Physical Samples. Professor Claudia Gollop.

Grayson Currie Rich, *Physics,* Measurement of Low-Energy Nuclear-Recoil Quenching Factors in CsI[Na] and Statistical Analysis of the First Observation of Coherent, Elastic Neutrino-Nucleus Scattering. Professor P.S. Barbeau.

Peter Samuel Samai, *Epidemiology,* Adult Changes in Weight and Physical Activity in Association With the Risk of Pancreatic Cancer: In the Vital Cohort. Professor Marilie Gammon.

Sarah E. Shelton, *Biomedical Engineering,* Evaluation of Early Tumor Angiogenesis Using Ultrasound Acoustic Angiography. Professor Paul A. Dayton.

Annette Rebecca Pomeroy Shores, *English and Comparative Literature,* Nautical Narratives in Anglo-Latin Hagiographies, ca. 700–1100. Professor Patrick P. O'Neill.

Rachel Kloss Silverman, *Biostatistics,* Methods for the Sequential Parallel Comparison Design. Professors Anastasia Ivanova and Jason Fine.

Harlyn Gynette Skinner, *Nutrition,* Personal Utility: Examining the Effects of Genomic Risk Knowledge on Motivation Toward Diet and Physical Activity Behavior Changes. Professor Alice Ammerman.

Kyle Patrick Slinker, *Physics,* Trumpet Initial Data for Highly Boosted Black Holes and High Energy Binaries. Professor Charles Evans.

Collin-Jamal Smith, *Microbiology and Immunology,* T Cells in the Pathogenesis of Spontaneous Autoimmune Peripheral Polyneuropathy. Professor Maureen A. Su.

Briana Joy Kennedy Stephenson, *Biostatistics,* Robust Clustering Methods With Subpopulation-Specific Deviations. Professor Amy Herring.

Dakota Suchyta, *Chemistry,* Synthesis and Anticancer Action of Nitric Oxide-Releasing Liposomes. Professor Mark Schoenfisch.

Yael Rose Symes, *Health Behavior,* Smoking Cessation in Cancer Survivors: Exploring Psychosocial Wellbeing, Beliefs About Smoking and E-Cigarette Use. Professor Shelley Golden.

Samantha Tessel, *Ecology,* Dispersal Effects on Species Distribution and Diversity Across Multiple Scales in the Southern Appalachian Mixed Mesophytic Flora. Professor Peter S. White.

Sophia Tintori, *Biology,* The Initiation of Transcription and Gastrulation in the C. elegans Embryo. Professor Bob Goldstein.

Eleanna Martha Lyman Varangis, *Psychology,* Persistent Neurocognitive Effects of Concussion in Middle-Adulthood. Professors Kelly Giovanello and Kevin Guskiewicz.

Aminah Wali, *Genetics and Molecular Biology,* Biological Characterization of Chromatin-Targeted Small Molecules. Professor Ian J. Davis.

Jarod Michael Waybright, *Pharmaceutical Sciences,* A Chemical Biology Approach to Phosphoinositide Metabolic Analysis. Professor Qisheng Zhang.

Erin Michelle Wilson, *Pharmaceutical Sciences,* Developing PRINT® Dry Powders for Pulmonary Protein Delivery. Professor Joseph DeSimone.

Aaron Nicholas Winn, *Health Policy and Management,* The Impact of Market Structure on Oncology Care. Professor Stacie Dusetzina.

Jessica Lauren Wise, *Classics,* Gender, Rhetoric, Authority: Ovid's Fasti and Augustan Thought on Women. Professor Sharon James.

Kin Yau Wong, *Biostatistics,* Statistical Methods for Integrative Analysis of Multiple Types of Data. Professors Danyu Lin and Donglin Zeng.

Jenny Hang Yang, *Biostatistics,* Graphical Models for High Dimensional Data With Genomic Applications. Professor Wei Sun.

Qianwen Yin, *Computer Science,* TCP Rapid: From Theory to Practice. Professor Jasleen Kaur.

Jennifer Mary Yourkavitch, *Epidemiology,* The Influence of Regular Breast Milk Pumping in the Early Postpartum Period on Breastfeeding Duration and Achievement of Breastfeeding Intention Among Women in the U.S. Professor Whitney Robinson.

Scott Mackay Yourstone, *Bioinformatics and Computational Biology,* The Taxonomic and Functional Nature of Plant-Associated Microbiomes. Professor Jeff Dangl.

Siyun Yu, *Statistics and Operations Research,* Stochastic Models for Resource Allocation, Series Patients Scheduling and Investment Decisions. Professor Vidyadhar G. Kulkarni.

Bo Zhao, *Chemistry,* Development of NMR Methods for Characterizing Conformational Dynamics in RNA Folding and Catalysis. Professor Qi Zhang.

Katelyn Emily Zulauf, *Microbiology and Immunology,* The Role of SecA2 Protein Export in the Virulence of Mycobacterium Tuberculosis. Professor Miriam Braunstein.

DOCTOR OF EDUCATION

Soo Young Esther Hahn, *Educational Leadership,* A Portrait of Two Public Charter Schools in Pursuit of Equity and Excellence. Professor Fenwick English.

Katrina Alicia Massey Cruz, *Educational Leadership,* Elementary Principals' Perceptions of Culturally Responsive Teaching Practices and the Identification of African American Students in Gifted Education Programs. Professor Fenwick English.

Deirdre Natasha Scott, *Educational Leadership,* A Mixed Methods Study of North Carolina Principals' Perceptions of the Roles of School Social Workers. Professor Fenwick English.

DOCTOR OF NURSING PRACTICE

Kimberly Yvette Bronson, *Nursing Practice,* Using Mindfulness to Decrease Burnout and Stress Among Nurses Working in High-Intensity Areas. Professor Cheryl Giscombe.

Lauren Renee Kennedy, *Nursing Practice,* An Educational Approach for Improving Health Literacy in Patients With Heart Failure. Professor Elaine Harwood.

Mandy King Marshburn, *Nursing Practice,* Helping Obese Pregnant Women Achieve Healthy Weight Gain: Is Provider Intervention Feasible? Professor Seonae Yoo.

Jemma Glenda Superville, *Nursing Practice,* Standardizing Nurse-to-Nurse Patient Handoffs in a Correctional Healthcare Setting: A Quality Improvement Project to Improve End-of-Shift Nurse-to-Nurse Communication using the SBAR I-5 Handoff Bundle. Professor Janna Dieckmann.

Susan Elizabeth Wilson, *Nursing Practice,* Implementation and Evaluation of Depression Improvement Program in Stroke Care (DIPS). Professor Mary Lynn Piven.

DOCTOR OF PUBLIC HEALTH

Monica Chaudhari, *Biostatistics,* Study Design and Methods for Evaluating Sustained Unresponsiveness to Peanut Sublingual Immunotherapy. Professor Michael Kosorok.

Bradley Saul, *Biostatistics,* Applications of and Tools for Causal Inference. Professor Michael Hudgens.

The School of Education

ESTABLISHED 1885

Dean Fouad Abd-el-Khalik

DOCTOR OF EDUCATION

Courtnee Danielle Cox, *Educational Leadership,* 2013 North Carolina Excellent Public Schools Act: How Do Teachers Respond? A Look at North Carolina's Traditionalistic Political Culture and Its Impact on Teacher Activism. Professor Catherine Marshall.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

December 2017

The School of Law
ESTABLISHED 1843
Dean Martin H. Brinkley

JURIS DOCTOR
Elizabeth Claire Nye

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF MEDICINE
Julia Elizabeth Geddings
Elizabeth McCutcheon Casey Guadagni
Colleen Holewa
George Moreland
Matthew Pham

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

FOR CAROLINA'S NEWEST ALUMNI

The UNC General Alumni Association is eager to help the class of 2017 make a successful transition from student to alumna/us. We'll keep Carolina connections strong by introducing our newest graduates to our vast network of supportive alumni. We also provide communications, programs and services to keep you informed and involved.

ALUMNI RECORDS
Don't miss out on special invitations and services. Keep your record updated.

ALUMNI CAREER SERVICES
The GAA's Alumni Career Services will help you navigate employment options and opportunities throughout your career. Whether you already have a job, are heading to graduate school or are still looking for your next step, we can help.

EVENTS WITH TAR HEELS
No matter where you roam, there will likely be others in your midst who attended Carolina. The GAA will help with those introductions – don't miss out.

SOCIAL MEDIA
Jump start your alumni life – join the GAA's groups on Facebook, LinkedIn, Twitter and Instagram.

TRUSTED SOURCE
Information is everywhere, but you can count on the GAA's young alumni e-newsletter The Quad and the Carolina Alumni Review to bring you home again with every issue.

Special membership rates are available to new grads. Save $50 on life membership — $32.25/month for 24 months. New grad auto-renewing annual membership is only $30/year for the first three years.

For more information on how the GAA serves new graduates, call Katie Thore '15 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CANDIDATES *for* GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

December 2017

The Graduate School
ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Anusha Hariharan
Gioia Monet Skeltis

Art History
Fannie Huang Ouyang
Amanda Sue Paige-Lovingood

Exercise and Sport Science
Rachel Renee Leeke
Doron Tamari

Geography
Lisa Maria Marshall

History
Kenneth Alarcón Negy

Linguistics
Hui An

Mass Communication
Laura Lacy

Musicology
Helen Megumi Orita

Psychology
Rachel McDonnell Haake
Tate Halverson
Kelsey Ann Ludwig
Sarah Owens
Holly Shablack

Public Policy
Jeffery Todd Burroughs

Sociology
Claire Elizabeth Chipman
Alyssa Megan Peavey
Didem Turkoglu

Technology and Communication
Eva Elmore Bland
Angela In-He Brockelsby
Karin Lynn Fullington
Elizabeth O'Neill Hammond
Kirsten Khire
Kaylon Maxie Kirk
Joshua Clemens Kleinstreuer
Karah Nicole Manning
Marcelle Dana Montague
Elizabeth T. Ritter
Maureen Janel Robbs
Matthew Kenneth Smith
Niel Sollod

MASTER OF CITY AND REGIONAL PLANNING
Maureen Devlin

MASTER OF PROFESIONAL SCIENCE

Biomedical and Health Informatics
Sofia Zaufishan Dard
Kathryn Morbitzer
Tram B. Nguyen
Lauren Gabrielle Rackley
Gayatri Nitesh Rathod

MASTER OF SCIENCE

Biomedical Engineering
Claire Reisig Hall

Biostatistics
Sean Doyle McCabe
Crystal Thuy-tien Nguyen

Chemistry
Brianna E. Green
Kristina Marie Herrera
Emily Anne Sharpe

Computer Science
Michael S. Brown
Yen-Chun Chen
Maxwell Henry Daum
Patrick James Hahn
Christopher Ronald Horning
Namhoon Kim
Nathan Michael Otterness
Eunbyung Park
Rohan Sandeep Prinja
Daniel Steffey

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Auston Baker Sterling
Chun Kun Wang

Economics
Alina Malkova

Environmental Sciences and Engineering
Allison Nicole Fechter
Lisa Fleming
Mutian Ma
Emily Ora Tully

Management
Tian Chen
Deepak Jena
Pradeep Kumar Pendem
Koushyar Rajavi
Nagarajan Sethuraman
Ting Yao

Marine Sciences
Weida Gong
Jessica Smith

Mathematics
Sterling R. Swygert

Occupational Therapy
Olivia Regan Craig
Sara Kelleher Pena

Pathology
Pamela Lockyer

Physics
Raymond E. Fowler
Philip Dustin Javernick
Andrew Christopher Loheac

Speech and Hearing Sciences
Jessica Mitchell

Statistics and Operations Research
Siyu An
Preston E. Faulk
Eric Goding
Gang Li
Wenyue Liu

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF ACCOUNTING
James Tomas Alcantar
Jessica Ann Annonio
David Eugene Arnold
Patrick Kevin Barry
Lucas Coleman Bayless
Vicky Bham
Michael Alexander Boucher
Curt Alan Brossman
Matthew Robert Coakley
Jennifer Rodibaugh Cordaro
Foster Howell Corwith
Stephen Keith Coward
Adam Vicent Daland
James Preston Davis
Di Deng
Anthony Durant
Christopher Michael Fields
Daniel Steven Fox
Christina L. Fung
Sebastian Lucas Hazzard
Allyson Maria Jenkins
Kathryn Mae Kapacinskas
Dana Kim
Matthew Forrest Kors
Ho Y. Lau
Mark Patrick Loyd
Erin Anne Mauldin
Sean Monaco
Melissa Marie Monroe
Allen Perry
Jesse William Pickerill
Brandon T. Seward
Melissa Jane Steele
Michael David Stefanick
Joel Cameron Townsend
Mikhail Shea Stephen Wright

MASTER OF BUSINESS ADMINISTRATION
Thomas Luke Abbott
Youssef Osama Ali Abdelaal
Timothy Ackerman
Andre D. Adams
George Liell Adams
Mercy Adang
Craig Harton Allen
Bulent Alpay
Ali A. Al-Shoaibi
Cuauhtemoc Altamirano
Art Anthony Ambrosio
Jeremy Tyler Andrew
Benjamin Leandro Antonio
Asif Avshalumov
Franklin Madison Ayscue II
Gary Badzinski
William Christopher Baggett
Russell Coyle Bailey
Jeffrey Baker
Christina Ballentine
LaChaun Jeannetta Banks
Erik C. Bates
Joseph Mason Berg
Daniel Joseph Bernstein
Sonali Bhagwat
Saibal Bhattacharya
Antoinette Bing
Carolyn Bloomfield
Brandon Bonds
Joshua Shawn Boyles
Yasmeen Brock
Jared Fox Brown
Ian Wallace Bruce
Kyle Buchanan
Alexander L. Buls
Michael L. Burdell
James Austin Burkett III
Sean Canny
Brian David Carroll
Carly Ann Carroll
Lori Allison Chambers
Louiza Chan
Zengqiang Chen
Lauren Brooke Claridge
Elizabeth Estella Leitzel Clements
Marcelo Gonzalez Coelho
Jason Cofone
Galen Edan Collier
Frank Walter Cona
Luke Howard Costanza
Jacob Tyler Coutre
Briton Matthew Crouch
James Crowell
Lauren Dalpee Culbertson
Sasa Cvijetic
Brian Allan Darracott
Andressa de Franca Bisol
Robert L. DeCostro
John J. Deforest
Matthew Robert Devey
Tanmoy Dey
Dimitar Antonov Dimitrov
Erica Lewis Dozier
Joseph F. Dunn
Kathi Elizabeth Edwards
Erica Emily Elliott
Karl John Elliott
Aaron Michael Fenton
Genevieve Pike Flatgard
Ray Anthony Francis Jr.
Matthew Brabazon Fulton
Anthony Michael Fusco
Maikel Gabera
Christopher J. Gaddis
Kevin Douglas Gallagher
Yi Ge
Herman M. Geci
John Franklin Gelzer
Rose C. Gilroy
Peter Edward Giovinco
Montressa Shonta Goodloe
Clayton Allen Grindle
Jason M. Guffey
Salah Abdulkader Hamed
David Robert Harden
Shannon Gray Harris
Glenn Whitfield Harvin
Renata B. Hays
Blair Matthew Hillen
Shannon Davis Hinson
Jesse Hoole
Jason John Hovermale
Dwight D. Howell
Noel Hoxha
Baiyan Huang
Judith Isenberg
Thomas Jalbert
William Jeffers
Jack Urie Jesset
David Jewell
Kai Jiang
Benjamin James Johnson
Brian E. Johnson
Joanne Marie Joliet
Nicholas G. Joyce
Erik Ernst Karlsson
Justin L. Karr
Kunal Kaushal
David Craig Keifer
Imran Khan
Daniel Unhyek Kim
Jason King
Bridget M. Kingsley
Joel Andrew Knox
Dibas Koirala
John Douglas Koury
Ross Scott Krause
Gregory Scott Kreft
Rahul Kulkarni
Arvind Kumar
Stephen Lasala
Jay Bao Xing Lee
Maria Leonetti
Stephen Michael Lesser
Christopher Dean Lewis

Xian T. Li
Phillip Anthony Lipscomb
Chenglong Liu
Dylan Kevin LoBianco
James Logan
Camilo Lopez
Justin Magrini
Brendan P. Malay
Andrew John Maliszewski
Sandipan Mandal
Venkataraman Mani
Amy Jones Manning
Amber Rose Marciano
Eliazer Martinez
Amber J. Matthews
Jeffrey Daniel Matthews
Christina Nicole May
Patrick S. McCahill
Patrick Gerard McGarry
Justin J. McKay
Wilson Mansfield McManus
Joel Brian McNeil
Scott Robert Milke Jr.
Mark Miller
Robert Emory Varner Miller
Brandon Millette
Richard T. Miser
Ian Mogavero
Syed Nasir Mohammad
Sebastian Montagne
Jason Morales
Christopher J. Moreira
Christopher John Morris
James N. Muller
John Zachary Mullinax
Nathan Naramor
Jonathan Nemec
Greta Brunk Newborn
David Thomas Newton
Deborah Elizabeth Nixon
Edward Bamford Norfleet
Michael J. Norton
Ivelisse Olivencia-Simmons
Manas Ranjan Panda
Joseph Yates Parker
Timothy A. Parker
Anish B. Patel
Leonard K. Payne
Colin Castellow Perry
Robert Alexander Pharr
Charles Phillips
Steven Evan Pike
Juan Cristobal Plaza
Brian Kelly Plemmons
Liz Porter
Jeffrey Hancock Preston
Trevor Radbourne
Jason Ander Rains
Vinod Kumar Rajasekaran
Ashwin Prakash Rao
John Donald Reed
Todd Daniel Resly
Jeremy W. Reynolds
Diana Alice Rhyne
Gregory Peter Richmond
Amanda W. Rodgers
Thassia do Amaral Pancieri Roschel
Francesca Rossetto
Austin Ruhle
Michael Lawrence Rush
Scott A. Russell
Simone Hayat Saleh
Joseph Thomas Santabarbara
Anthony Robert Saracino
Torsten Michael Schreiber
Kathryn Tracey Segien
Mark Shabason
Pradeep Suryanath Sharma
Blake Sheehan
Vitaliy Shestakov
Steven John Sieni
Agampodige Savio Manik
Ranmal Silva
Scott Simon
John Sinden
Gregory Michael Siracusa
Scott Slobodnyak
Joseph Slowik
Benjamin G. Smith
Bradley Thomas Smith
Jessica Ross Smith
Ryan Jay Smith
Stephen Kyle Spore
Brian Chol Soo Standen
Chase J. Stowell
Kevin Strange
Steven Lawrence Suek
Roosevelt Travell Summerville
Sriram Swaminathan
Tony C. Szeto
Angela M. Tafur
John Aaron Tate
Shahram Taei Tehrani
Madan Reddy Thaduri
Keely S. Thibault
Emilie R. Thomas
Andrew Duncan Thompson
Weston Thompson
Rong Tian
Alexander Preston Tilley
Patrick Andrew Tonker
Bryan Turner
Elizabeth Turpin
Krystal Melanie Twiford
Chad Everett Vaughn
Adrian Velazquez
Kenan Wan
Ramesh K. Vemulapalli
Kenan Wan
Yi Fan Weng
Bobby Ray Wiggs III
Warren L. Williams
Joshua Paul Wilson
Mark Wilson
Shawn Wilt
Korey Nathaniel Witt
Jonathon Michael Woloshuk
Karen T. Worthy
William Paul Wyatt
Melissa Yabar
Ian Vincent Yeates
Sandeep Yohannan
Dolly Yuen
David Zaino
Larry Zeng
John Zucco
Gerald Alexander Zuniga

The School of Education

ESTABLISHED 1855
Dean Fouad Adb-el-Khalik

MASTER OF EDUCATION
Sharlene Denise Brown
Anita Blair Mitchell

The School of Government

ESTABLISHED 2001
Dean Michael R. Smith

MASTER OF PUBLIC ADMINISTRATION
Brittany Smith Baker
Casheif Anthony Belvin
Elizabeth Self Biser
Jason Miller Cloninger
Michael Todd Evans
Milton Lavern Flynt
Emily Caroline Hall
James Brian Haney
James Allen Hoppe
Jason Lee Hyatt
Jonathan Bruce Ireland
Laura Baldwin Kerfoot
Matthew Ryan Kirkland
Marc Kurbansade
Eric Lavalious Marsh
Tracy Smith Miles
William Harrison Moseley
Dipika Mouli
Albert June Park
Francesca Lea Ramsawak
Max Taintor
Kevin Robert Teater
Carmencita Nicole Thompson

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Rashnil Chaturvedi
Michael C. Conway
Anna Catherine Groves
Silpa Reddy Guda
Huan Lian

MASTER OF SCIENCE IN LIBRARY SCIENCE
Lauren Bellard
Brittany Paige Burchett
Jesse Daniel Griffin
Janice E. Hansen
Fannie Huang Ouyang
Mara C. West

The School of Law

ESTABLISHED 1843
Dean Martin H. Brinkley

MASTER OF LAWS
Malak Alghannam
Muaath Alshddy

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY
Meredith D. Smythe

MASTER OF HEALTH SCIENCES
Eulalia C. Barajas-Graham
John Curtis Carr
Richard Gerald Cowan
Marc Difronzo
Natalie Danielle Ford
Mary C. Garner
Kami Smith Harris
Leana Lefrapper Higgins
Katlyn Marie Joyner

Angel Legare
Traci M. Little
David Manning
Alyse Moses-Lebron
Gabrielle Leigh Neri-Mynatt
Christopher Brian Orange
Johnny C. Pitts
Riti Rajendra Shah
Daniel N. Taylor
Bruce Arnold Ward
Codie Wiley

MASTER OF PROFESSIONAL SCIENCE

Toxicology
Jenine Abbassi
Aubree Christine Honcoop
Diana Osemhen
Cassandra Gene Porth

MASTER OF RADIOLOGIC SCIENCE
Linda Dianne Brown
Devon Renae McFarland
Ann Vacco

The School of Nursing
ESTABLISHED 1950
Dean Nilda Peragallo Montano

MASTER OF SCIENCE IN NURSING
Renee N. Bush
Daniel Gary Duncan
Lisa Eileen Ecklund
Amy E. Jordan
Sara Massachi
Rebecca J. Michael
Maureen E. Miller
Tiandra Chantelle Murchison
Caroline A. Strazis

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION
Nicole Lynne Angeli
Chase Patrick Angelino
Michelle T. Cooper
Shanna Denese Gillis
Lisa Rene Gilpin
Christopher J. Hancock
Walter Frisby Hendricks IV
Jeffrey Todd Jackson
Christian Blakeslee Lloyd
Maxwell Olszewski Mason
Janice Louise McDonald
Raj S. Pruthi
Jordan Lee Rapp
Christine G. Reed
Terriss R. Richardson
Samuel Isaac Ritter
Jeremy Robertson
Erica Lea Savage
Ayana Nicole Simon
Christopher Casimir Skowronek
Beth Turner
Jenilyn Turner
Azure Laarletta Utley
Edith Fang Winter
Jennifer Wu

MASTER OF PUBLIC HEALTH

Biostatistics
Heather Jean Archambault

Health Policy and Management
Karthik Adapa
Manuel Girault Viesca

Maternal and Child Health
Julia Barfield
Jessica Nicole Beliveau
Sarah Cecile Buisson
Erin Elizabeth Burks
Kristina Suzanne Caltabiano
Caroline Elizabeth Chandler
Meghan Quigg Cutherell
Cali Madeline Hackett
Lori Ann Hendrickson
Madeline Koines Kapur
Mary Elizabeth Koenig
Millicent N. Robinson
Amy Michelle Shipow
Cheyenne Elizabeth Stewart

Nutrition
Justin Michael Barnes
Kathryn Elizabeth Bernstein
Taryn Elizabeth Cullen
Michelle Patricia Davis
Karen Alene Duckworth
Paola Andrea Gonzalez Machado
Ellen C. McDermott
Erika Joy Meier
Maria Belen Ocampo Ordonez
Erin Adelaide Glennon O'Hare
Ashley Marie Perrone
Rebecca Joy Price
Allison Marie Russell
Julia Lynn Sundermann
Megan Marie Sweeney
Viveca Nathalie Taylor
Anna Elizabeth Vanderleest
Jeffrey T. Walker
Ridley Stewart Zook
Charlotte Zuber

Public Health Leadership
Samantha Al-hassan Adam
Steven Nathan Andrawes
Julia Marie Considine
Chelsea Gailey
William David Holden
Mwanza Kasambay
Kevin Correll Keith
Saif Khairat
Iman Abrahim Khatib
Mimi Kim
Marcia Angiuli Morgenlander
Bo Chigozie Nebolisa
Luke J. Newton
Jaisabrish Sankarkumar
William Schreiner
Laura Rosenthall Schultz
David Robert Steeb
Randa Zoubairi

MASTER OF SCIENCE IN CLINICAL RESEARCH
Pearlie P. Chong
Nurain Mohammed Fuseini

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING
Elisabeth Anne Rehak
Weixuan Wu
Chenhao Zhao

MASTER OF SCIENCE IN PUBLIC HEALTH

Environmental Sciences and Engineering
Rachel Nicole Long
Meghan Miller

Epidemiology
Josie Jacqueline Caves
Jane Shihmei Chen
Arbor Jessica Lauren Quist

Health Behavior
Ida Jane Griesemer
Elizabeth Nicole Orlan

Health Policy and Management
Eun Kyo Cho

Maternal and Child Health
Helen Valerie Toma
Mallory Wolfe Turner
Caitlin Rain Williams

The School of Social Work
ESTABLISHED 1920
Dean Gary L. Bowen

MASTER OF SOCIAL WORK
Julia Barfield
Claire Bates
Sarah Cecile Buisson
Kristina Suzanne Caltabiano
Madeline Koines Kapur
Mary Elizabeth Koenig
Millicent N. Robinson
Amy Michelle Shipow

CANDIDATES *for* BACCALAUREATE DEGREES

December 2017

The College of Arts and Sciences

ESTABLISHED 1795

Dean Kevin M. Guskiewicz

BACHELOR OF ARTS

African, African American and Diaspora Studies
Tatyana A. Green*
Rashad Corneilus Mason

American Studies
Kaitlin Elizabeth Barker
Shannon Hall

Anthropology
Caroline Scott Fowler*
Alec James Semersky*

Archaeology
Caroline Scott Fowler*

Art History
Kyle Borst
Jessica Marie Carter*
Gillian Elizabeth Manning*
Nzinga Simmons*

Asian Studies
Monik Thakor Patel*

Biology
Riley Kyle Allen
Ana M. Amaya
Simone Amoni
Marlyn Anguelov Anguelov
Jesse Scott Barnes
Sage Aristotle Bauer
Hayley Brott
Anja Burcak
Nissa Mohamed Chughtai
Juliette Arianna Clemons
Kyle Steven Czarnecki
Audrey Elizabeth Dinyari
William Joseph Faulkner
Katherine Marie Glover
Morgan Graves
David Chavis Hammonds
Lela Ciera Harrison
Ashley Marie Jackson
Saidou Jallow
Zachary Jansen
Minsuk Kim
Adrienne Cecile Lane
Kayla Danielle Long
Kathleen Ann Maher*
Amaya Martinez Mesa*
Katherine Taylor Pfeufer McLaren*
John Killion Nyquist
Cassandra E. Occhipinti
Chiwoo Daniel Park
Tatiana Marie Sergent
Ecaterina Ruslan Staricovici
Caleb James Tinsley
Kortney Elizabeth Ann Wager
Ashley Zheng*

Chemistry
Liset Falcon Rodriguez*
Terez Flowers
Estefania Gonzales
Preethi Gowrishankar
Daniel Aryon Khordehforosh
Timothy Michael O'Donnell II
Victoria Celeste Placentra
Austin Colby Purviance*
Norman Purvis
Timothy Qi*
Kevin Alan Rhash
Vaibhav Shrishail
Luke B. Soliman*+
Richard Sung

Classics
Jessica Marie Carter*

Communication Studies
Joshua Joseph Adams
Emma Wentworth Baske*
Jayce Allie Bentley
Thomas Christopher Blakey
September Lolita Brown
Kendric Tyrone Burney
Schuyler E. Coleman
Zachary Dale Cook
Sarah Hamilton Costine
Una Millicent Dabiero
McKenzi Jean Ellis
Lunden Elizabeth Farris
Tristen Curtis Michael Frampton
Victoria Gagliano*
Elizabeth Eunbea Kim
Megan Ledford
Dabin Lee*
Arielle Brianna Loftis

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

HONORS CAROLINA

Honors Carolina is an outstanding collection of courses, special events, and learning opportunities geared toward the top students at Carolina. It is the University's way of investing in exceptional undergraduate students by providing academic and non-academic challenges and opportunities, both inside and outside the classroom. Honors Carolina students receive priority registration for more than 160 Honors courses each year. These are small classes, taught by professors who encourage classroom discussion and hands-on research.

Students who wish to graduate from Carolina "with Honors" or "with Highest Honors" must complete a senior honors thesis project in their major field(s) of study. Such students need not have been members of Honors Carolina. They must, however, meet academic eligibility standards set by Honors Carolina and the individual departments, curricula, and professional schools that sponsor senior honors thesis programs. Senior honors thesis students must complete an original and substantial research, performance, or creative project under direct supervision by a faculty advisor. Upon the completion of their projects, students must pass an oral examination or other appropriate form of evaluation.

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Jorden Merrilees
Donnie Ray Miles
Casey Leigh Rieger
Gianna Mikaela Storm
Logan Andrew Wagner*

Comparative Literature
Colleen Buchanan*+
Willem C. Tax*

Computer Science
Kyle Borst
Margaret Susan Cruser*
Austin David Curran-Bennett
Luke Nathaniel Doty
Luke Ryan Duffer
Daniel Wayne Flynt
Christopher Norman Brenes Lee*
Nathaniel Caden Lunsford
Wai Sing Poon
Cody O'Dell Porter
Jonathan Reed
Chakiera Ayche' Shields
Andrew Nicholas Sipes
Matthew Obert Tsao
Griffin Zachary Wilson
Jay Z. Yang
Zachary Louis Younger

Drama
Cameran Paige Bellamy
Zachary Dale Cook
Jessica Donnell
Kelly A. Hynek
Hyunjin Kim*
Justin P. Marcellus
Mackenzie Minnick
Simon N. Wolf*

Economics
Nida Ahmed
Michael Alter
John T. Anderson III*
Allen Anthony Artis
Rosemary Astra-Blossom
Kevin Baque
Michael Seth Beam
Taylor Morgan Bishop
John Michael Bitner
Austin Bright*
Mijal Bucay*
Robert Griffin Dunaway
Justin Farmer
Courtney Elizabeth Ferro
Macon C. Gambill
Riley Paul Hein
Kai Cheong Ho
Philip Fullerton Howerton
Roy Zhou Huang*
Adam Joseph Illig
Nathanael Pennington Jones
Jun Hyeong Kim*
Annie Kingman*
Katarina Therese Kirchoff
Christopher Norman Brenes Lee*
Alexander Ariel Lelental
Angela Eva Lentzy
Alston McCullough Meadows
Daniel Min
Eli Henning Murrey
David Wu Newby
Timothy Michael O'Donnell II
Zachary Michael Palmer
John Matthews Perry
James A. Pruitt
Sooyeon Pyo*
Divya Viren Shah
Eugene Shin
Dustin Parker Sneed*
David Aaron Stern*
Aaron Thomas Sullivan
Greti Yaneva Terzieva
Logan Scott Turk*
Gokul Vaithiyanathan
Everett Carter Voelkel
Bryan Alexander Williams
Jin Xi*+
Eldon J. Zacek
Zichen Zhao

English
Kaitlin Elizabeth Barker
Cameran Paige Bellamy
Luke Aaron Bishop
Courtney Jo Brady
Shannon Hall
Robert Eugene Mayes IV*
Victoria Celeste Placentra
Mark Alixander Sabb

Environmental Studies
Jesse Scott Barnes

Exercise and Sport Science
Inti N. Alvarez-Trott
Macey Lorraine Arnold*
Macie Elizabeth Bell
Joanna Boyles
Thomas James Bunnell
Natalie Ann Nicole Caneja
Madison Claire Casey*
Ashley N. Courtney
Cody Crafford
Zachary Cooper Davis
Gabrielle Elise Gibson
Katherine Marie Glover
Brianna Hinton
Jocelyn Jaimes
Zachary Jansen
Paige Lihua Koning
Cameron James Langston
Margaret Taylor McCarthy
Andrew J. McCrae*
Carolyn Jean Mistele*
Maura Lien Moloney
Mason Lee Moore*++
Blake Benjamin Moushon
Andrew Murphy
Niraja Pancholy*
Oscar Lieser Penton
Kaelah Sheldonia Pou*
Bentley Thomas Foster Spain
Marvin Lee Stewart Jr.
John Woodson Stott
Christopher Davis Sutton
Anne E. Wandishin
Ceolamar C. Ways
Dillon H. Whitmire
Maya Nicole Worth
Nina Yearwood

Geography
Christopher Raymond Brantley*
James Madison Bruce IV*
Jayna Corinne Fishman*+
Shelby Dale Hammerstein
Emory Hodge Hare
Emma Griffith McLeod*
Sharanya Thirugnanasambhandan

Geological Sciences
Shannon Dannette Brooks

Germanic and Slavic Languages and Literatures
Colleen Buchanan*
Matthew Lloyd Delmastro*
Alyona Fulp
Kortney Elizabeth Ann Wager

Global Studies
Akanksha Arora
Rafael Benitez Samano
Kennedi A. Briggs
Juliette Arianna Clemons
Donavon Dicks
Delaney Jane Forrest
Kristen Marie Gardner*
Gabrielle Elise Hafez
Riley Paul Hein
Emma Griffith McLeod*
Zoe Sharon Schulze
Tiara Singletary
Sharanya Thirugnanasambhandan
Sara Beth Throckmorton*
Andrew Blake Zavaleta

History
Anthony Jackson Allen
Brooke Alexandria Church*
Mario Luke Ciocca*
Adam Crawford
Zachary Cooper Davis
Luis Gilberto Feliciano Concepcion
Jessica Louise Gilley
James R. Harper
Michael Ian Hensley*+
Lucy Li
Carson Charles Lineback
Samuel Edward Miner*
David Dominic Moore
David Robertson LaFar Moore
Samuel Peter Norman
Stanley Eli Smith
Jasper William Spurlock
David Aaron Stern*
Lauren Trushin*

Interdisciplinary Studies
Binyu Jiang*

Linguistics
Romany Arrowsmith*
Daniel Tucker Bridges
David Hudson*
Justin P. Marcellus
Joshua Keenan Martin
Brittany Nicole McCombs
Simon N. Wolf*

Management and Society
Allen Anthony Artis
Marlee Jaye Butler
Natalie Marie Cabo*
Robert Griffin Dunaway
Kristina Kongmany
Michelle Pepin
Kathryn Ashley Turner
Jorge Vallecillo
Salomon Vazquez Perez
Everett Carter Voelkel

Mathematics
Mijal Bucay*
Mark Lee Eyster
Joy Hill*
William Murcray

Yekaterina Romanova
Jacob Kenneth Sellinger
Andrew Coach Vaughns
Logan Andrew Wagner*
Jin Xi*
Gan Xu

Music
Madeline Cannady Edwards
Samuel Gray
Rachael Michelle Spillane

Peace, War and Defense
Michael Alter
Erin Babilon*
Thomas Kyle Baldwin
Christopher Raymond Brantley*
Brooke Alexandria Church*
Jeremy M. Cleary
James T. Crain
Adam Crawford
Una Millicent Dabiero
Ana Gabriela Delgado Hualde*
Mariane Ghazaleh
Phoebe Noel Jollay-Castelblanco
Margaret Player*
Savannah Elaine Wooten*

Philosophy
Alexander Ross Bennett*
Jacob Samuel Feldkamp
Michael James Messina
Katie Ashlyn Smith

Physics
James Thomas Shea

Political Science
Simone Amoni
Rayven Monai Anderson
Erin Babilon*
Stacy DeeAnna Bennett*
Luke Robert Bollinger
Charles Tallman Boyd
Brenden Stewart Dahrouge*
Ana Gabriela Delgado Hualde*
Matthew Lloyd Delmastro*
Alexander Richard Gallo-Altus
Macon C. Gambill
Kristen Marie Gardner*
Rio Tarampi Geneblazo
Mariane Ghazaleh
Emma Catherine Harrison*
Rachael Cecelia James-Beverly
Ata Khan
Benjamin I. Lorenz
Casey N. Mann
Michael James Messina
David Dominic Moore
Aimee Qin Murphy
Babatunde Sunday Opaleye
Tionna Outen
Luke Parra
Margaret Player*
RoseMarie Jane Rohrs*
Zoe Sharon Schulze
Elizabeth Houston Sheild*
Katie Ashlyn Smith
Jae Ho Son
Daniel Davies Summerlin
Jordan Perry Thomas
Camille Gail Vargas
Amber Rae Walsh
Steven Matthew Warner
Aaryn Paige White
Jonathan David Wong
Andrew Thomas Worth
Andrew Blake Zavaleta

Psychology
Marissa Nicole Alvarez
Katrina Elizabeth Bolinder
Logan Day Boykin
Hanna Nicole Brooks
Matthew Kenan Brown
Raylyn Michelle Bunch
Kassandra Costabel-Monsalve
Steven Kenneth Curcio
Mauricio Esteban Flores
Taylor Fricano
Hye Soo Hahn*
Laura Katherine Hinkle
Karen Marie Johnson
Michael Fisher Jones Jr.
Brigitte Madan*
Kelli McNeill-Wilhelm
Emily Brooke Myers
Charlie Offerman Opper*
Lane E. Portelance
Taylor Reynolds
RoseMarie Jane Rohrs*
Jacob Ryan Schlaudecker
Rachael Michelle Spillane
Stephanie Isobel Taylor
Anna Tucker
Ceolamar C. Ways

Public Policy
Chloe Lu Barnard
Brenden Stewart Dahrouge*
Jamie Lynn Edwards
Michael Todd Garcia
Meghan McFadden Gross
Jared Craig Sarnoff*
Analisa Sorrells*
Kathryn Alison Townsend*
Lauren Trushin*
Rickie Lee Williams Jr.
Savannah Elaine Wooten*

Religious Studies
Richard Anthony Olive

Romance Languages
Akanksha Arora
Halena Jean Searles Bohs*
Wendy Lidia Duran
Gabrielle Elise Hafez
Jocelyn Jaimes
Obioma Morton
Elizabeth Houston Sheild*

Sociology
Desiree Maria Arauz
Anna Grace Bernath
Conley Ward Davis
Dajaun Raleigh Drennon
Courtney Elise Fugate
Miles Bryant Lucas
Katherine Taylor Pfeufer McLaren*
Ashley Morton
Aimee Qin Murphy
Emily Brooke Myers
Oluseun Omitoogun*
Roger Darin Prince Jr.
Lauren Gray Smith
Zachary Robert Soberano

Studio Art
Alison L. Boggs
Adrian Compean Garcia

Women's and Gender Studies
Desiree Maria Arauz
Kayla Harrelson
Olivia Mechele Huneycutt*
Kathryn Alison Townsend*+
Sarah Nicole Wise

BACHELOR OF FINE ARTS
Isys Elena Hennigar*

BACHELOR OF MUSIC
Anna Grace Bernath
Breton Lee Nicholas

BACHELOR OF SCIENCE

Biology
Alexander Ross Bennett*
Cierra Chanelle Carter
Ye Won Chin*
Angela Soyoung Chun
Carolyn Jean DaVanzo*
Joseph DelFerro Jr.*
Daniel Martin Efird
Cameron Chase Faircloth
Bryan Gerber*++
Preethi Gowrishankar
Molly Elizabeth Irwin*
Caroline Jasperse
Holly Elizabeth Johnson
Brooks James Knighton*
Savanna Ledford
Sarah K. Monroe*
Laura Amelia Musalem-Canahuate
Osarumwense Godwin Onaiwu
Sonali Suman Patel
Timothy Qi*
Kherah Richelle Mary Rawlins
Andrew Curtis Scott
Vaibhav Shrishail
Jasmine K. Sun*
Victoria Joy Tirendi*
Natalie Kim Ung
Michael Anthony Walker Jr.
Ilon Calderon Weinstein*
Shannon Williams
Tracey Yang
Huiyue Zhang*

Biomedical and Health Sciences Engineering
Randall Glenn Bissette*
Ana Laura Diego*
Tyler Froneberger
Guijin Li*
Michael Tanner Rogers

Chemistry
Bailey E. Ciaramella
Ian Pope Moseley
Loraine Marie Patterson
Katherine Roper Womack

Computer Science
Muttaqee Ahmad Ali
Taylor James Andrews
Kishin Aruwani
John M. Blackwell
Qidi Chen*
Luke E. DiGiacomo

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Brea Marie Reyes Dionisio*
Dmitri Grozdanov
Michael Gu*
Destiny Simone Harrell
Zachary Hughes
Caleigh Nicole Link
Lanmingqi Ma
Christopher Wayne Miller
Mark Jacob Molinaro*+
Jonathan Chyi-An Ng*
Nils Erik Persson*
Dillon Alexander Priester
Eliza Tlalka Scott
Jacob Kenneth Sellinger
Audrey Sharp
Jordan Alexander Taylor
Ramamohan Vadlamani*
Bill Wang
Gan Xu
Jose Eduardo Yerena Blancas

Environmental Sciences
Sandrine Marie Nancy Charles
Joy Hill*

Geological Sciences
Phoebe Noel Jollay-Castelblanco
Alicia Sullivan*

Mathematical Decision Sciences
Jungjun Bae
Stephanie D. Hopkins-Spencer
Roy Zhou Huang*
Caleigh Nicole Link
Ashley Marie Pellegrino
Eugene Shin
Zichen Zhao

Mathematics
John Edward Darges
Cody Carlisle Sparling*
Shengding Sun*++
Dingyang Wei

Physics
Michael Danis

Psychology
Macey Lorraine Arnold*
Emma Wentworth Baske*
Ashlee Michelle Bryant
Anja Burcak
Mariah Pauline Conte
Katharine Coomer
Kristin Marie Cummings
Thomas Benedict Decker
Mary Margaret Fahey
Kayla Nicole Foster
Catherine Elaine Lake
Yashna Lamsal
Stephen Glenn Lane
Kristen Rita Lospinoso*
Christina Miller*
Hassan Ekundayo Mohammed
Brittney Louise Ortiz*
Olga Prokunina*
Matthew Roohi
Alexandra Brooke Shaw*
Allison Michelle Spahr
Yesel Stephany Trillo-Ordonez
Megan Elizabeth Wright*
Srija Yarlagadda

Statistics and Analytics
Yena Fu*
Peter Joel Gosnell
Lanmingqi Ma
John Patrick Pasquariello
Xinyi Ruan*
Cody Carlisle Sparling*
Nigel A. Story

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Kristen Elizabeth Burke*
Kuanfu Chen*
Bryan Chi-Shing Chu*
Mario Luke Ciocca*
David Clark Jr.
Vanessa Lucy Dane
Jacqueline Jale Furnari*
Bryan Gerber*
Shane Broderick Hassett*
Anne Lee
Samuel Lanham McCorcle*
Samuel Edward Miner*
Anthony Marino Occhiogrosso*
Whitney Lauren Pardue*
Roberto Pupo-Lazaro
Erin Rymiszewski*
Joshua Wyatt Sander*
Jared Craig Sarnoff*
Shane Michael Simpson
Jae Hyun So*
Roshni Verma*
Yixuan Xu
Erik Zinna

The School of Education
ESTABLISHED 1855
Dean Fouad Adb-el-Khalik

BACHELOR OF ARTS IN EDUCATION

Elementary Education
Sarah Elise Henry*

Human Development and Family Studies
Sarah Margaret Christy

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
Bryan Chi-Shing Chu*
Cameron Bryce Hill
Jun Hyeong Kim*
Sara Muharemovic
Preston Michael Robinson*
Luke Ranni Roscios*
Chase Schultz
Chakiera Ayche' Shields
Stevia Gunawan Tedjawiguna*
Ifeyinwa Obianuju Umerah
Celine Yuwono*

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM
John W. Harris
Taylor Elizabeth Street

BACHELOR OF ARTS IN JOURNALISM AND MASS COMMUNICATION
Benjamin Paul Aijian
Serena Ajbani*
Stacy DeeAnna Bennett*
Luke Robert Bollinger
Megan Buckingham
John-Paul William Gemborys
Austin Lee Goins
Lanier Newell Gray*
Jordan Alexandra Gundersen
Anne Marie Hagerty
Allison Janine Hammond
Emma Catherine Harrison*
Elizabeth A. Hennigan*
Rachael Cecelia James-Beverly
Hyunjin Kim*
Hannah Eloise Macie
Calum Ross McGuckin*
Marcus Christian Mitchell*
Emily Suzanne Padula*
Kayleigh Delaney Payne
David Tyler Petty
Hollie Dominique Shelton
Ashlyn Siske
Rachel Ann Terrio
Camille Gail Vargas

The School of Nursing
ESTABLISHED 1950
Dean Nilda Peragallo Montano

BACHELOR OF SCIENCE IN NURSING
Eric Allen Chapman
Sarah Temitope Ony Folorunsho
Jorge Morales Pimentel
Jamila Lyn Squires*
Collin Barrett Stage*
Lue Vang

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Health Policy and Management
Grahme Ericson Taylor

Candidates Commissioned in the Armed Forces
DECEMBER 2017

UNITED STATES ARMY SECOND LIEUTENANT
Andrew C. Scott
Victoria J. Tirendi

UNITED STATES MARINE CORPS SECOND LIEUTENANT
Christopher Raymond Brantley

CANDIDATES *for* CERTIFICATES

December 2017

Undergraduate Certificates

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

CERTIFICATE IN RADIOGRAPHY
Kyle Bailey
Amanda Marie DePalma*
Reid Christopher Kohls

Postbaccalaureate Certificates

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

POSTBACCALAUREATE CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Heather Forster Anderson
Dominique Maxence Benjamin
Kelsey Lynn Schmidt Brinkley
Danita Jan Morgan
William Patrick Rimer
Jennifer Sinclair Wozniak

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

POSTBACCALAUREATE CERTIFICATE IN FIELD EPIDEMIOLOGY
Rachel W. Long
Felix Kofi Zowonoo

POSTBACCALAUREATE CERTIFICATE IN PUBLIC HEALTH NURSING SPECIALTY
David Michael Magnotta

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to the University are also included as participation in the Campaign for Carolina.

Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs and how to stay connected, visit giving.unc.edu/youngalumni.

GRADUATE DEGREES

August 2017 | *Graduates' names are followed by their area of study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Andrew Aghapour, *Religious Studies,* Religion Made Flesh: Modernity, Ideology and the New Sciences of the Brain. Professor Randall Styers.

Abigail Elizabeth Agoglia, *Neurobiology,* Assessing the Adolescent and Adult Prefrontal Cortex Proteome for Mechanisms of Enhanced Vulnerability to Alcoholism. Professor Clyde Hodge.

Danielle Allen, *Education,* A Site of Resistance and/or Reclamation? The Role of the Black Church in the Charter School Movement. Professor Lora Cohen-Vogel.

Julie Kay Anderson, *Education,* An Examination of Psychological Variables and Reading Achievement in Upper Elementary Students. Professor Rune Simeonsson.

Daniel Auguste, *Sociology,* A Structural and Comparative Analysis of the Entrepreneurial Process. Professors Ted Mouw and François Nielsen.

Earl Wayne Bailey, *Information and Library Science,* Measuring Online Search Expertise. Professor Diane Kelly.

Maureen Joan Baker, *Nursing,* Nurse Perceptions of Engaging Low-Income Depressed Mothers in a Mental Health Intervention. Professor Linda Beeber.

Kimberly Diane Barnash, *Pharmaceutical Sciences,* A Combinatorial Platform for the Optimization of Peptidomimetic Methyl-Lysine Reader Antagonists. Professor Stephen Frye.

Timothy Barr, *Chemistry,* Interfacial Electron Transfer at Sensitized Nanocrystalline TiO2 Electrolyte Interfaces: Influence of Surface Electric Fields and Lewis Acidic Cations. Professor Gerald Meyer.

Samuel Lee Bartlett, *Chemistry,* New Complexity-Building Reactions of Đ-Keto Esters. Professors Jeffrey Johnson and David Nicewicz.

Kiran Bhardwaj, *Philosophy,* Reason, Emotion and Consequence: Moral Psychology and Kantian Ideals. Professor Thomas Hill Jr.

Rebecca Lea Bigler, *Genetics and Molecular Biology,* The Axonal Transcriptome of Human Embryonic Stem Cell Derived Neurons and the Cell Autonomous Transcriptional Response to Axon Injury. Professor Anne Taylor.

Emma Ciel Bowers, *Toxicology,* Harnessing Inter-Individual Variability to Identify Molecular Mechanisms Shaping Airway Epithelial Cell Transcriptional Responses to Ozone Exposure. Professor David Diaz-Sanchez.

Sarah Elizabeth Boyd, *English and Comparative Literature,* Masculinity and the Highly Wrought Style in Nineteenth-Century American Literature. Professor Eliza Richards.

Laura Elizabeth Brade, *History,* Networks of Escape: Jewish Flight From the Bohemian Lands, 1938–1941. Professors Christopher Browning and Chad Bryant.

James N. Brantner, *Philosophy,* On Fiction: What It Is, What It Does and Why We Care About It. Professor William Lycan.

Seth Jennings Brazell, *Geological Sciences,* Seismic Record of West Antarctic Ice Sheet Dynamics During the Late Oligocene to Early Miocene in the Eastern Basin, Ross Sea. Professor Donna Surge.

Kanisha Brevard, *Social Work,* Child Welfare Decision Making: Does Race Matter? Professor Mark Testa.

Hailey Brighton, *Cell Biology and Physiology,* Intravital Imaging of Melanoma in Combination With Molecular Analysis Reveals Key Changes in Stromal ECM and Tumor Behavior in Persistence Against MEKI. Professor James Bear.

Lisa Brownstone, *Psychology and Neuroscience,* Subjective Binge Eating: Phenomenology, Momentary Emotions and Associated Features. Professor Anna Bardone-Cone.

Sally Lawrence Bullock, *Nutrition,* Promoting School Breakfast at the County and State Level: An Evaluation of Alternative Service Models. Professor Alice Ammerman.

Greta Alleyne Bushnell, *Epidemiology,* Pediatric Anxiety: Initial Pharmacotherapy, Adherence Prediction and Burden of Events. Professor Til Stürmer.

Ebonee Butler Butler, *Epidemiology,* Smoking and Variation in Breast Tumor Biomarker Expression. Professor Melissa Troester.

Maia Averyl Call, *Geography,* Rural Livelihoods and Environmental Change in Uganda. Professor Clark Gray.

Dangxing Chen, *Mathematics,* Spatio-Temporal Integral Equation Methods With Applications. Professors Jingfang Huang and Jianfeng Lu.

Jingxiang Chen, *Biostatistics,* Machine Learning Techniques for Heterogeneous Data Sets. Professors Yufeng Liu and Michael Kosorok.

Xi Chen, *Statistics and Operations Research,* Dynamic Models of Asset Returns and Mortgage Default. Professors Eric Ghysels and Chuanshu Ji.

Wansuk Choi, *Biostatistics,* Semiparametric Approaches for Auxiliary and Incomplete Covariate Under Outcome Dependent Sampling Designs. Professor Haibo Zhou.

Diana Cristina Chong, *Genetics and Molecular Biology,* Sprouting Angiogenesis During Retinal Development and Wound Healing. Professor Victoria Bautch.

Rachael Annette Clemens, *Information and Library Science,* Human Information Behavior, Coping and Decision-Making in the Context of a Personal Crisis: An Interpretative Phenomenological Analysis of the Voices of Birthmothers on Relinquishing a Child for Adoption. Professor Barbara Wildemuth.

Veronica Tess Cole, *Psychology and Neuroscience,* Adapting Mixture Models to Take Into Account Measurement Non-Invariance. Professor Daniel Bauer.

Ryan Cronk, *Environmental Sciences and Engineering,* Using Monitoring Data to Identify Water and Sanitation Service Delivery Improvement Opportunities in Low- and Middle-Income Countries. Professor Jamie Bartram.

William F. M. Daniel, *Chemistry,* Brush-Like Polymers: New Design Platforms for Soft, Dry Materials With Unique Property Relations. Professor Sergei Sheiko.

Trisha A. Dant, *Microbiology and Immunology,* Examining Factors Critical to T Cell Suppression and Migration During Acute Graft-Versus-Host Disease. Professors Jonathan Serody and Yisong Wan.

Emily Cubbon Ditto, *Anthropology,* Cosmological Caches: Organization and Power at Chaco Canyon, New Mexico, A.D. 850–1150. Professor Vincas Steponaitis.

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Terra Dare Osmon
Kameron Mackenzie Owens
Anthony Pastore
Cristina M. Raiti
Jessica Hancox Reynolds
Mary Julianne Runey
Megan Colleen Schilter
Bradford Tyler Shelton
Chloe Smith
Daniel Robert Steele
Kip Andrew Stromberg
Melody Tran
Brennan Ehlinger Visser
William Zabel

The School of Nursing

ESTABLISHED 1950
Dean Nilda Peragallo Montano

MASTER OF SCIENCE IN NURSING
Amy C. Becker
Michael David Bury
Paula Shanelle Carter-Scott

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION
Margaret Jean Lowery
Rumana Rabbani

MASTER OF PUBLIC HEALTH

Health Policy and Management
Carrie B. Martin
Peter Jonathan McAlea Ceponis
Yutaka Endo
Samuel Nyako-Agyakwa

Maternal and Child Health
Ana Beatriz Cabello De La Garza
Kristan Ryan Rosenthal

Nutrition
Helena Chung

Public Health Leadership
Ray G. Antonelli
Ryan Matthew Bradley
Richard Oldfield Broadhurst
Hannah Byun
Danielle Elizabeth Day
Taylor Anne Fie
Christine Post Field
Dynela Louise Garcia-Baran
Herodes Garzon Guzman
Laurie Aileen Heagy
Andrew Alberto Herrera
Christopher Samuel Iskander
Kiran Nawaz Khan
Kane Daniel Morgan
Hannah Helton Noah
Mary Katherine Pyle
Audra Joyce Reiter
Michael Kolinski Robinson
Amy Burrier Sanchez
Eleanor Farley Saunders
Kelli Ann Shortt
Gillian Sterling Smelick
Hollie Storie
Garrett S. Thompson
Eric Tran
Al-Mounawara Abiodoun Yaya
Everett Glenn Young

MASTER OF SCIENCE IN CLINICAL RESEARCH
Nicholas Wise

MASTER OF SCIENCE IN PUBLIC HEALTH

Environmental Sciences and Engineering
Jennifer Nicole Styles

Epidemiology
Elizabeth Poole Kelly
Rebecca Cox Stebbins
Adrien Ann Wilkie

Maternal and Child Health
Eleanor Mary Fenn Richards

The School of Social Work

ESTABLISHED 1920
Dean Gary L. Bowen

MASTER OF SOCIAL WORK
Ana Beatriz Cabello De La Garza
Amanda Faye Hobgood
Sarah O'Keeffe Rawleigh
Kristan Ryan Rosenthal

BACCALAUREATE DEGREES

August 2017

The College of Arts and Sciences

ESTABLISHED 1795

Dean Kevin M. Guskiewicz

BACHELOR OF ARTS

African and Afro-American Studies
Tauri A. Morrow

African, African American and Diaspora Studies
Noel Tapper

American Studies
Patricia Janna Muller**

Anthropology
Felipe Esteban Acosta Munoz*++
Aditi Chakravarty
Rhyan Trevon Greene
Nanette Page Lewis
Riley Elizabeth Turner
Jessie Lee Vangaasbeck
Giszell Dymond Weather**+

Art History
Bingdi Chunyu
Brittney Marie Okoniewski

Asian Studies
Timothy Gordon Gillis
Harry Myers Layher
Andy Tak Ngo

Biology
Aster Berhane
Louisa Kathryn Boswell
Martin Harrington Bronson
Zemel Zemiesha Brown
Cory David Bryant
Astrid Raquel Calderon
Morgan A. Cates
Timothy Austin Daugird
Jonathan Dolan
Kathryn Olivia Donohue
Benjamin Tanger Eggleston
Thomas Kyle Emery
Brent Alexander Evans
Rubicelia Gasca
Dannie Sherrell Hill II
Angel NaShyra Ingram
Christina Rayen Kresser**
Matthew T. Logan
Princess Myra Malik
Yoel Morales
Vy Thanh Nguyen
Jefferson Taylor Pike
Allison Leigh Schaefer
Shareefah Latifah Stanley
Ellen Thompson
Brandon Zaj Saib Zoo Vang
Saisanjana Vattigunta*
Zihan Zheng

Chemistry
Mary Beth Cattron
Jonathan Chan
Hannah Caroline Cowell
Michaela Danielle Jacobs
Dylan Miller Kallenbach*
Natalie Diem-Mi Ly
Mazin Elsir Mohamed Nour Ahmed
Juan Marcelo Perfetti
Neel Raj Sonik

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Classics
Anna Catherine Dallara**

Communication Studies
Veronica Aguilar
Brett Foster Bedard
Layne Bolden
Samantha Elise Britt
Lacey Elyse Buchanan
Brynn Anders Geerken Cameron*
Ashton Katherine Carrick**
Katarina Anneliese Caskey*
Matthew Clifton
Thomas Michael DeFeo
Meghan Elizabeth Eisenhardt
Olivia Blythe Fowler
Michael Rashaad Galloway
Laura Avery Gillespie
Octavis Doimnquie Green
Christian Avery Griffin
Aaron Joel Guttenberg**
Michael Heubel*
Tyler Jacob Hoog
Johnathan Jamaul Howard
Anna Christine Hughes*
Walker Thomas Hume
Lana Loraine Jordan*
Abigail Rose Kaufmann
Landon Joseph Lassiter
Megan Ashley Marenghi
Kylar Martin
Caitlyn Nicole McHale**
Cassidy Sinclair Mills
Satara Melonie Murray
Atlee Christian Northmore
William Thomas Obriant
Treesa Ouseph
Amanda Brooke Pasca
Marissa Lachelle Peterson
Firas Quran
Priscilla Carly Reed
Miguel Antonio Sandoval
Stuart Wray Schrader
Adrianna Vida Solano
Marcus Charles Staley
Jacob Taylor Suggs*
Marc Gashaw Tafari
Elana Tejeda
Mary Elizabeth Thurman**
Paul Jefferson Timmons
Brett Dean Webster
Emily Caroline Weeks
Alice Williams Wilder

Comparative Literature
Thomas C. Moorman

Computer Science
John Alexander Bee
Benjamin Tanger Eggleston
Ian Michael Henry
Kendall Edward Hester
William B. Iddings
Xiaoyin Liu
Wesley Ka Lo
Victor Christopher Luft
Aaron Paul Plocharczyk*
Matthew Thomas
Filip Michal Wodnicki

Contemporary European Studies
Jonathan Miguel Buechner*

Dramatic Art
Natalie R. Cooper
Anna Christine Hughes*
Evelyn Virginia Mitchell*
Abigail Claire Neal
Matthew Thomas Verner

Economics
Maudrie Alexis
Lisa Maitlyn Armstrong
Manuel Alfonte Bagalawis Jr.
Andrew William Keahi Castro++
Bingdi Chunyu
Stewart Addison Day
Erick Ryan Eckberg
Daniel Marcelo Farfan Estremadoyro
Jared Leandro Feeny
Hans Dieter Grohs*
Brandon Gregory Haake
Nathaniel Paul Haas
Kendrick Hales
Adam Ashton Henry
Sameer R. Kak*
Rehman Masood Kamdar
Grayson Henry Landers
David Paul Lindars
Christian Alejandro Luna
Jaydev Pankaj Patel
Jonathan Ruben Ponciano
Cullen Quinn
Jacob E. Richardson
David Matthew Rose
Geoffrey Winn Hodges Short
Patrick Valentine
Matej Vidic
Brett Dean Webster
Jacob Cunningham Wilson
Devon John Witek

English
Katherine Anne Benson
Elizabeth Ann Bonesteel*
Dylan Michael Cohen
Daniel Frederick Dana-Le**
Joshua William-Patrick Flenniken
Katharine Chase Frazier*
Brandon Gregory Haake
Krista Marie Harder**
Lillian Ann Kane*
McKenzie Paige Sanders
Adrianna Vida Solano
Alexa Kristine Stallings
Rebecca Oliveira Baldo Teixeira

Environmental Studies
Aditi Chakravarty
Ryan Michael King
Morgane Norma Perez-Huet
Jeremy Adam Rushlow
Kholiswa Michelle Tsotetsi

Exercise and Sport Science
Brian Lee Boykin
Logan Elizabeth Brinker
Elizabeth M. Brown
Georgia Anne Brown
Denisha Ylaine Brownlee
Jasmine Jamilah Cash
Berkley Sanderlin Cohn
Destinee Chanelle Crutchfield
William S. Dallas
Allison Caroline Ellis
Jessica Lynn Fletcher
Nicholas James Futia
Alexandria Elizabeth Hagood*
Madison Lindsay Hayes
Ashlyn Caroline Hazel
Molly Elizabeth Hendrick
Brittany Ann Hull*
Rachel Erin Jones
Tessa Eles Jones
Rachel Melanie Kenney
Michelle Leigh Kollar
Brianna Elizabeth Leibeck
Luis Julio Lucas-Tzun
Nicholas Melo
Eric Michael O'Brien
Christina Nicole Orantes
Adam Jackson Prah
Madison Caroline Reece
Tyler Royal
Erin Summer Scott
Elijah Cole Shackelford
Anna Christian Spivey
Eugene Jia Jye Tee
Saisanjana Vattigunta*
Garrett Michael Verrilli
Carlyn Joy Waffa
Marina Adel Youssef

Geography
Timothy Gordon Gillis
Tyler Marion Lynn*
Kholiswa Michelle Tsotetsi

Germanic and Slavic Languages and Literatures
Erick Kyles Ball

Global Studies
Katherine Dubose Broadwell
Alexander Grey Crutchfield*
Cleo Isabella Egli
Jared Leandro Feeny
Olivia Leigh Ingram*
Elizabeth Anna Janke
Jemeia Gogbeh-Korwor Kollie
Demarcus Monterio Lloyd
Tyler Marion Lynn*
Anitha Nyiraruhanga Nyirandatwa
Katarina Willia Terentieva

History
Azalea Nerisa Ally
Katherine Anne Benson
Perla Azucena Castillejos
Lily Margaret Cochrane*
Kathryn Dyane Davis
Jonathan Hall Elliot
Anuj Gadi
Aaron Joel Guttenberg**
Michael Heubel*
Tyler Jacob Lynn
Julia McManus
Cassidy Sinclair Mills
Fiona Ayako Nelson
Simon McClatchy Panitz*
Samuel Parkman Shaw III*
Diego Suarez-Salazar*
Faith Danielle Wahlers

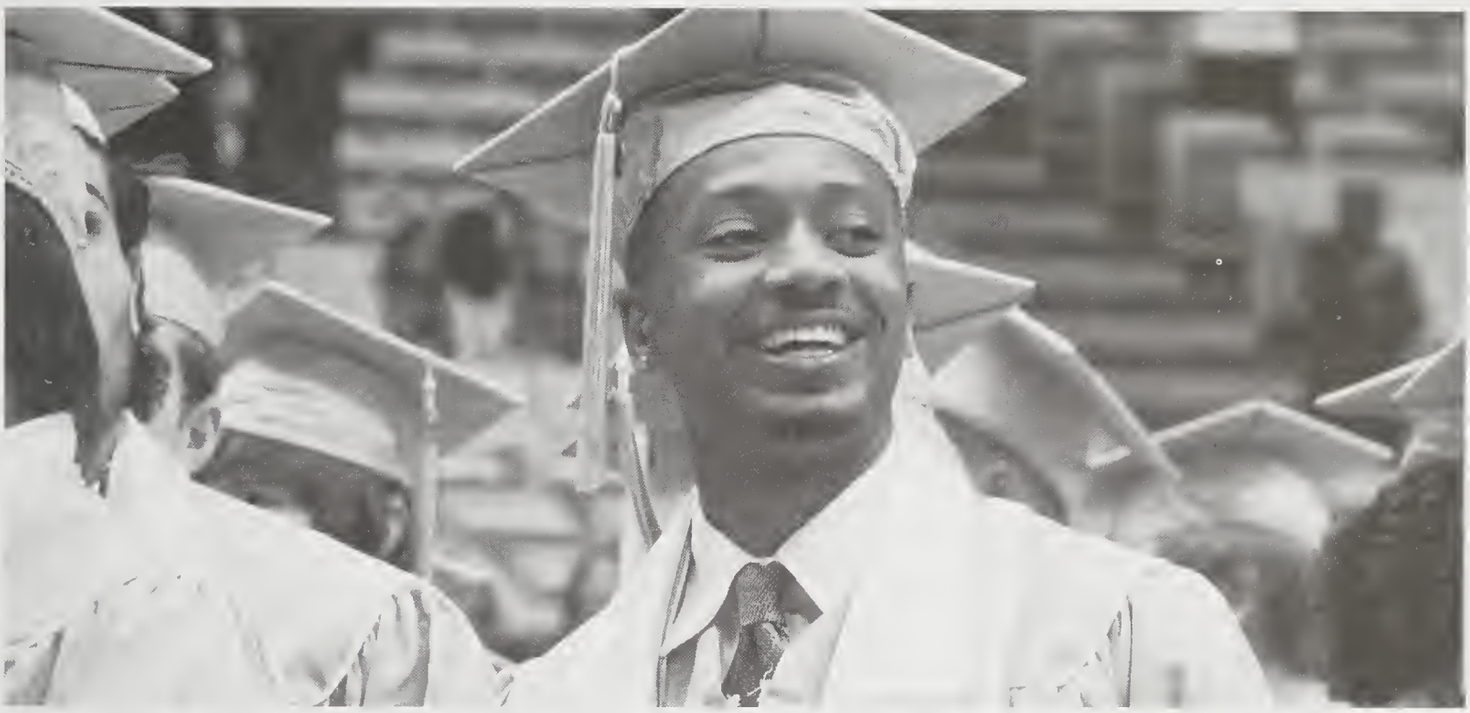
Interdisciplinary Studies
Anna C. Bumgarner
Anna Catherine Dallara**
Omprakash V. Kadiri*

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*



Latin American Studies
Veronica Aguilar
Iris Ayesha Asad
Diego Suarez-Salazar*

Linguistics
Felipe Esteban Acosta Munoz*++
Andrew Dahl Bond
Victoria Morgan Brown

Management and Society
Brian M. Balkam
Michael Joseph Bart
Curtis L. Brigman
Luke Jerome Goldstock
James Patrick Johnson Jr.
Tate M. Jozokos
William Thomas Obriant
Joseph Lee Parker III
Kemmi Gahlyn Pettway
Conor Hamilton Steidle
Jose Velazquez
Brittany Marissa Wood

Mathematics
Wendy Rosibel Alvarado
Andrew William Keahi Castro
Rachel Leann Greene
Helen Guerrero
Dante Xavier Harris
Andrew Raymond Hotong
Matthew Carl Lamore
Aaron Samuel Mays
Abu-Bakar Saleem Raja
Evan Andrew Westrud
Jack Elliott Williams

Music
Claire Kristin Cooper
Jordan Belle Holoman
Jinye Liu
Iris Gia-Yu Sun

Peace, War and Defense
Jonathan Hall Elliot
Monica Angeline Lee*
Fiona Ayako Nelson
Nicholas William Place*
Caroline Christine Weber

Philosophy
Jacob Gayle Becker
Matthew Clifton
Wade Phillip Doorey
Dannie Sherrell Hill II
Brian Nathaniel Lang
Charlotte Crowell Maiden
Marc Gashaw Tafari
Cheyanne Rose Wescott

Political Science
Patrick Hubbard Archibald
Lisa Maitlyn Armstrong
Paige Nicole Connelly
Moriah Davis
Stewart Addison Day
Brent Alexander Evans
Pamela Hicks Ferguson
Caleb Fulmore
Connor Kyle Goggin
Dante Xavier Harris
Adam Ashton Henry
Rebecca Diane Hoffman
Tatum Laine Jacaruso
David Christopher Littleton
Samucl Peter Southerland Long
Kelcey Lee McClung
Alexis Nicole Miller
Brandon Morrissey
Andrea Lynn Pino
Firas Quran
McKenzie Paige Sanders
Stuart Wray Schrader
Patrick Edward Thomas Snow
Hannah Elizabeth Strickland
Hudson Poloniak Sullivan
Lindsey Elizabeth Sullivan*
Avery James Taylor
Alexandria Lauren ter Avest
Courtney Leigh Triplett
Jonah Andrew Turcotte
Grace Sandra Turner
Jackson Lee Valentine
Hannah Laura Wallace
Emily Caroline Weeks

Psychology
Hannah Reid Adams
David Alan Boxwell
Katherine Irene Brinkley
Cory David Bryant
Stephanie Anne Cassidy
Cameron Hardy Castleberry
Christina Noel Chamra
Brieanna Rae Chewning
Jessica Trujillo Cordero
Grant Michael Foster
Sloane Glenn Jr
Alissa Nicole Glowacki
Rachel Leann Greene
Alexandria Elizabeth Hagood*
Kevin Lee Hart
Brittany Ann Hull*
Kalsey Nicole Hyder
Heather Daivine Jones
Mallory Martha Meek
Sarah Mitchell
Abrial Brianna Nixon
Dorian Norma-Nicole Rios
Hanna Maria Rodriguez
Patrick Edward Thomas Snow
Emily Elizabeth Turschak
Rashad Tyques Wilkerson
Torien William Worsley
Sodam Yang

Public Policy
Connor Kyle Goggin
Casey Denise Grant
Cinthia Pecina

Religious Studies
Ryan Jordan Byrd
Averyl Julian Edwards**++
Mallory Martha Meek
John Hieu Tuong

Romance Languages
Katherine Irene Brinkley
Lillian Ann Kane*
Abigail Rose Kaufmann
Alaina Noelle Levy
Juan Marcelo Perfetti
Hannah L. Smith

Sociology
Ryan Jordan Byrd
Diamond Janealice Faulcon
Colleen McQuillan Fox
Margarita Gjoni
Nanette Page Lewis
Erin Anne McGibbon*
Ryan Hunt Noble
Ashley Elizabeth Ricks
Jillian Leigh Tillett*+

Studio Art
Martha Owen Carter
Octavis Doimnquie Green
Lana Loraine Jordan*
Mary Elizabeth Thurman**

Women's and Gender Studies
Averyl Julian Edwards**
Jordan Belle Holoman
Anitha Nyiraruhanga Nyirandatwa
Alice Williams Wilder

BACHELOR OF MUSIC
Roisin Anne Bermingham*
Eliana Hannah Fishbeyn*
Jackson Lee Valentine

BACHELOR OF SCIENCE

Biology
Devon Grace Allen
Brittney Michele Allyn**+
John Blake Belcher
Jessica Marie Boulton
Caroline Jane Brower
Alanna Dai
Taylor Annette Eatmon
Alysha Cary Esworthy
Carrie Lynn Gartland
Ashley J. Han**
Ciara Andrea Hanlon
Dylan Miller Kallenbach*
David Paul Lindars
Wendy Ann Martin
Grace Ann McLaughlin*
Maria Collings Miggs
Rebecca Ann Millsaps
Syed Shouvik Saleh
Neel Raj Sonik
Muhammad Sulaimain*

Biomedical and Health Sciences Engineering
Peter Griffin Buskill
Matthew Carl Lamore
Rachel Ann Lensch
Cuong Nguyen

Chemistry
Ryan Stephen Balok

Computer Science
Winsten Marks
Aaron Samuel Mays
Andy Tak Ngo
Joshua Henry Nguyen
Abu-Bakar Saleem Raja
Luke Tannenbaum
Theodore Silas Witherspoon

Environmental Sciences
Alex Lee Crawford
Harrison C. Dusek
John Thomas Eskew
Samuel Miles Green
Tamara Latrice Jackson
Andrea Orengo
Sherilynn Meifung Phen
Rachel Lee Quindlen
Michael Ray Wallace
Alfre Sinclaire Wimberley
Zhexi Zeng*

Mathematical Decision Sciences
Muhammad Fahmi Iqbal Khalid
Brian Xiaobo Wu

Mathematics
Jacob Edwin Labe
Woong-Soo Lee
Xiaoyin Liu
Grace Ann McLaughlin*
Megan Elizabeth Willis*

Psychology
Cristian Gabriel Hernandez
Mary Elizabeth Holland
Rabab Sultana Husain**
Koshie Lamptey
Erin Anne McGibbon*
Sallie Kate Meyerhoeffer
Mahfuz Nasiri*
An Nguyen
Devin Mackenzie Oxner
Daniel Khoa Pham
John Hieu Tuong
Hunter Colleen Westcott
Stephanie Zuniga

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Daniel Marcelo Farfan Estremadoyro
Douglas Goddard Huffines
Stephen P. Kelly
Victor Christopher Luft

The School of Education
ESTABLISHED 1855
Dean Fouad Adb-el-Khalik

BACHELOR OF ARTS IN EDUCATION

Elementary Education
Felecia Marie Brady
Iris Gia-Yu Sun

Human Development and Family Studies
Alison Marie Smith

Middle Grades Education
Daniel Frederick Dana-Le**
Kathryn Dyane Davis
Caroline Elise Kreitzer

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM
Jonathan Ruben Ponciano

BACHELOR OF ARTS IN MEDIA AND JOURNALISM
Morgan Taylor Ammons
Mona Bazzaz
Roisin Anne Bermingham*
Laura Christina Brache
Lacey Elyse Buchanan
Korey Marie Butler
Brynn Anders Geerken Cameron*
Emma Leah Carl
Jenny Ana Chiu
Paige Nicole Connelly
Brianna Cooper
Alexander Grey Crutchfield*
Colleen McQuillan Fox
Quinton A. Harper
Olivia Leigh Ingram*
Alexander Jerome Kacvinsky
Carolina Grace Kennedy
William Keyes
Elizabeth Bulluck Lane
Grace Lee
Kelcey Lee McClung
Evelyn Virginia Mitchell*
Sarah Noelle Muzzillo
Abigail Claire Neal
Kathryn Minich Rogers
Caroline Claire Smith
Lindsey Elizabeth Sullivan*
Courtney Leigh Triplett

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Environmental Health Sciences
Mary Kate Crawford
Stephanie Kyoungchun Yu*++

Health Policy and Management
Ranjitha Ananthan*
Angel Luis Lopez-Collazo
Makayla Ashleigh Nichols*

Candidates Commissioned in the Armed Forces
AUGUST 2017

UNITED STATES NAVAL ENSIGN
Peter Griffin Buskill

CERTIFICATES

August 2017

Postbaccalaureate Certificates

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Leslie Joanne Joy
Shelly Elaine Muhl
Laurie Smith Paolicelli
Jack Thomas Rodenfels

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Jennifer Emerson
Ekaterina Vladimirovna Medynskaya
Thomas Matthew Porter
Matthew Daniel Trujillo

CERTIFICATE IN GLOBAL HEALTH
Erica Virginia Brierley
Corinne Celeste Goudreault
Gail Beth Massari
Caroline Turner Nagle
Alicia Danielle Nelson
Adeyemi Olufolabi
Sonya Patel-Nguyen
Suzann Marie Wagner

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Elizabeth Adkins
Kylie Corcoran Apple
Tiffany Bailey
Angelyn (Angie) S. Bitting
Debbie Dibbert
Douglas S. Dibbert
Lauren M. DiGrazia
Alexander (Alec) Di Ruzza
Aaron Eric Epps
Jeffrey W. Fuchs
Austin Gold
Deborah L. Hawkins
Shayna Hill
Rudolph Valentino Jones
Roger Kaplan
Jacob Kornegay
Karli Elizabeth Krasnipol
Mark Moon
Cecelia Moore
Laura Hayes Morgan
Hoi Ning Ngai
Leslie V. Parise
Madelyn S. Percy
Joanne Peters
Valerie A. Price
Terry Ellen Rhodes
James I. Spurling
Vincas Steponaitis
Natalie Vizuete
Stacey Harris Warner

Credits

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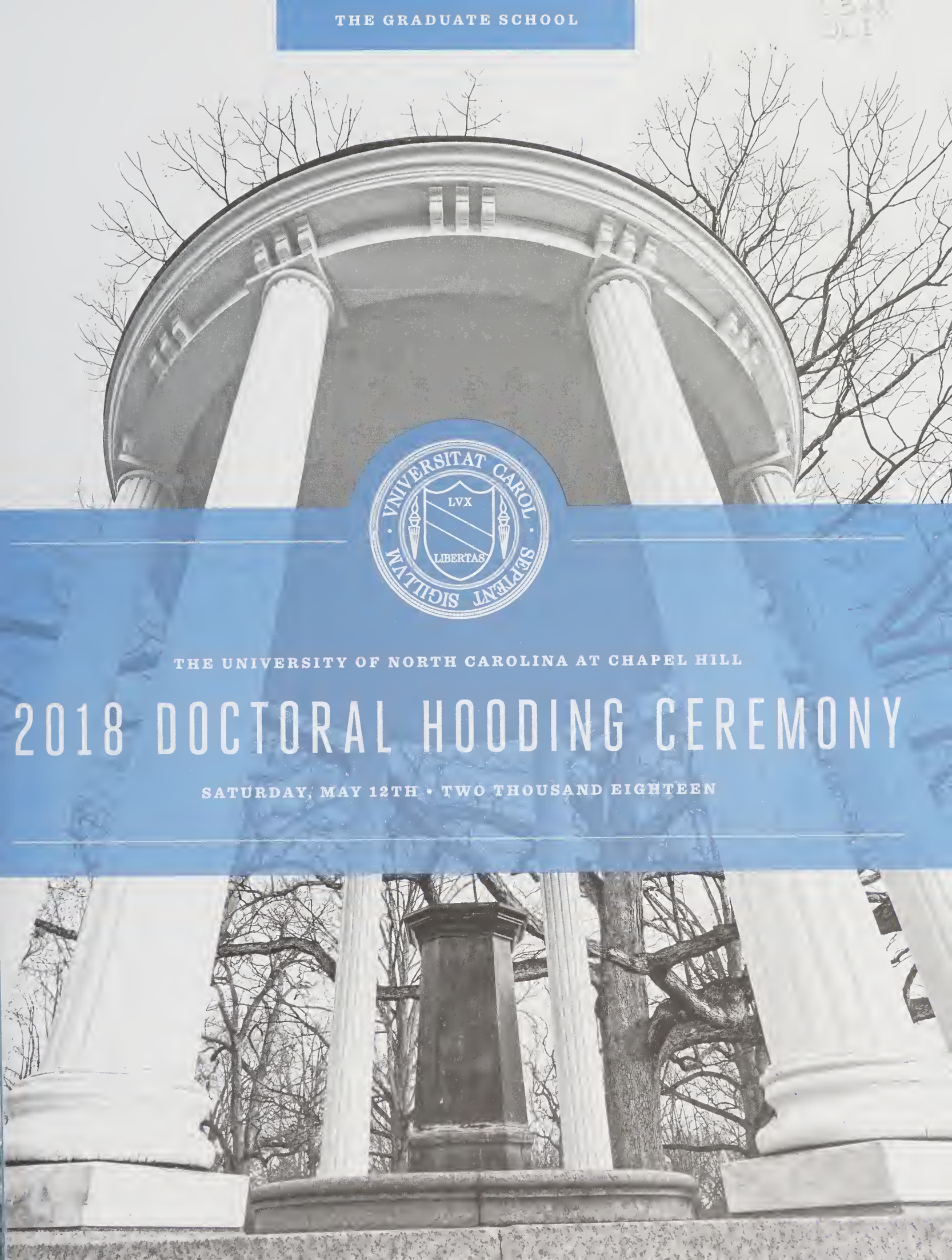
THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

THE GRADUATE SCHOOL



THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

2018 DOCTORAL HOODING CEREMONY

SATURDAY, MAY 12TH • TWO THOUSAND EIGHTEEN

THE GRADUATE SCHOOL

2018

DOCTORAL HOODING CEREMONY

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Saturday, May Twelfth • Two Thousand Eighteen

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MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel hooding ceremony. At last year's hooding ceremony, Carolina alum, renowned biologist, MacArthur Fellow and member of the National Academy of Sciences, Dr. Richard Lenski, noted that each new Ph.D. and recipient of other doctoral degrees had just climbed a mountain that no one before them had ever climbed. This is because their doctorate represented new research leading to new knowledge.

Congratulations on this achievement. Each of you has accomplished so much during your years at Carolina, and we would not be a top-tier university without your essential contributions to our research and teaching enterprise.

Today, we also welcome your family and friends. I thank each of you for your support and the encouragement you provide to your students.

Earning a doctoral degree is a milestone achievement in your lives. I ask you to take what you have learned and make a difference in the lives of others through your scholarship and personal dedication to service. I also thank you for the extraordinary contributions you made to the Carolina Community during your time here. While you completed your own studies – which led to amazing discoveries and created inspiring new knowledge – you advanced our mission of teaching and service to North Carolina, our country and the world.

While Carolina has been your home for a few years, you will always be part of this family. Now you join the ranks of many other distinguished alumni who are innovators in their fields and leaders in their communities. We look forward to hearing about your accomplishments. Congratulations!

Carol L. Folt

CAROL L. FOLT

MESSAGE *from the* GRADUATE DEAN

Doctoral graduates, today is a very important day in the life of our university, when we honor you for your hard work and commitment and for the knowledge you have contributed to your academic fields. Congratulations on all that you have achieved!

This is also an important beginning for you. Through your doctoral education, you gained a unique and powerful perspective into your talents, leadership and ability to find new ways of navigating complex issues. You have pushed through challenges and seized opportunities. You have persevered and succeeded, and your accomplishments are truly remarkable.

Now you take your knowledge into a world that needs it – and that is good news for all of us.

Through your diligent pursuit of your research, you have advanced your academic fields in ways that benefit North Carolina and the world beyond. Thank you, too, for the many ways you have encouraged others right here within our campus community. You've made a difference at Carolina, and this will endure.

I join the faculty members who have mentored you and the family and friends who have encouraged you in wishing you the very best of success.

Steven W. Matson

STEVEN W. MATSON

ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

Hark the Sound

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

For Your Information

The Doctoral Hooding Ceremony will be captioned on video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of May degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Doctoral degree graduates may receive their diplomas in a special departmental or school ceremony. Or they may pick up their diploma from the Office of the Registrar in the Student and Academic Services Building North, Suite 3100, from 11:00 a.m. until 2:00 p.m. on Commencement Sunday and during regular business hours through May 31, after which all undistributed diplomas will be mailed to each graduate's home address as listed in ConnectCarolina.

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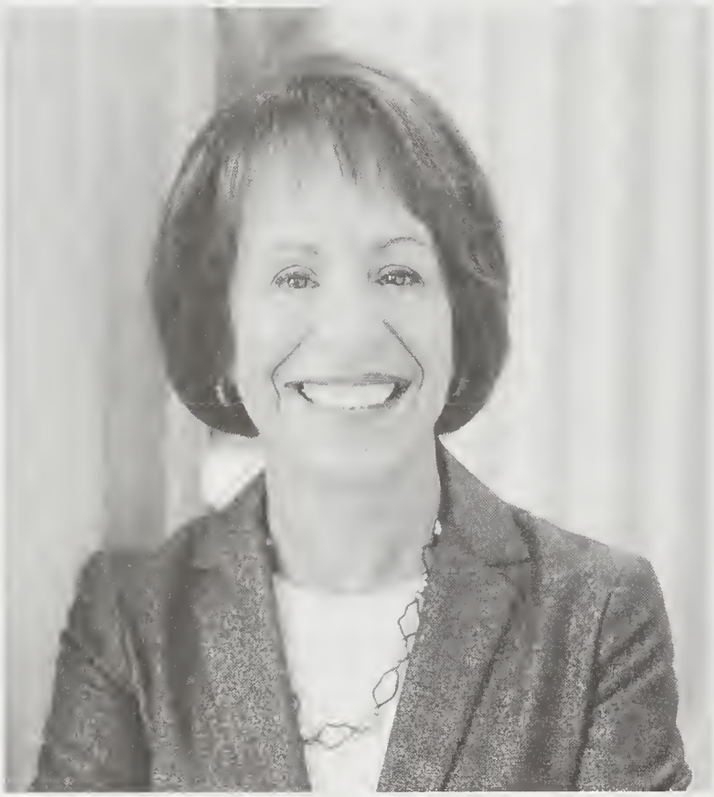
The DOCTORAL HOODING PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal—Terry Rhodes, *Professor and Senior Associate Dean for Fine Arts and Humanities* The Official Platform Party The Deans The Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
National Anthem	Lauren Kneessy, *Bachelor of Music*
Remarks	For the Board of Trustees of The University of North Carolina at Chapel Hill Charles G. Duckett, *Vice Chair*
Introduction of the Commencement Speaker	Manuel Hernandez, *Graduate and Professional Student Federation President*
Commencement Address	Kathryn Lofton, *Professor of Religious Studies, American Studies, History and Divinity at Yale University*
Conferring of Doctoral Degrees	Carol L. Folt, *Chancellor* Robert A. Blouin, *Executive Vice Chancellor and Provost* Marsha Collins, *Caroline H. and Thomas S. Royster Distinguished Professor for Graduate Education, English and Comparative Literature* Steven W. Matson, *Dean of The Graduate School*
Presentation of the Faculty Award for Excellence in Doctoral Mentoring	Steven W. Matson, *Dean of The Graduate School*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Recessional	*Hark the Sound* Lauren Kneessy

CAROL L. FOLT

Chancellor



When Carol L. Folt became Carolina's 11th chancellor, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt – an internationally recognized life scientist, award-winning teacher and accomplished academic leader – has worked to fulfill that charge by promoting student success, faculty excellence, experience-based learning and pioneering research.

Carolina, one of the nation's top ten research universities and ranked 6th in the nation in overall federal research, surpassed the $1 billion mark in annual research expenditures in 2017. During Folt's tenure, Carolina has demonstrated national leadership in areas ranging from access, affordability and diversity to retention and graduation rates, with a particular focus on low-income, first-generation and underrepresented students. Ranked as one of the best values in college education, Carolina is the least expensive of 14 peer public universities, and debt-per-student has remained nearly flat in inflation-adjusted dollars for more than a decade.

In the fall of 2017, Carolina launched the chancellor's strategic framework initiative. The Blueprint for Next outlines priorities to guide decision-making and investments during the next decade. Carolina also kicked off For All Kind: The Campaign for Carolina, the most ambitious fundraising campaign in Carolina's history. This effort carries with it the enormous responsibility to use every single dollar for the public good.

Inspired by the transformational impact that the arts made in her life, Folt initiated Arts Everywhere. At Carolina, Arts Everywhere celebrates the multifaceted power of the arts to illuminate the human condition, allow for reflection, promote dialogue and provoke action.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013 and served as a faculty member and academic leader. Folt graduated from the University of California, Santa Barbara, earning both a bachelor's degree in aquatic biology and a master's degree in biology. She received her doctorate from the University of California, Davis and undertook a postdoctoral fellowship at Michigan State University before joining the faculty at Dartmouth.

Follow @ChancellorFolt on Twitter and Instagram

STEVEN W. MATSON

The Dean of The Graduate School

Steven W. Matson has served as dean of The Graduate School since 2008. He joined the UNC–Chapel Hill faculty in 1983.

Matson also is a professor in the Department of Biology in the College of Arts and Sciences, where he served as chair from 2002 to 2008. He is a biochemist by training. His research focuses on DNA repair, conjugative DNA transfer and the enzymatic mechanisms and biological roles of DNA helicases.

He is a recipient of the American Cancer Society Faculty Research Award and has served as a reviewer for the National Institutes of Health, the National Science Foundation and the American Cancer Society, in addition to a wide range of journals including the Journal of Molecular Biology, Biochemistry, Proceedings of the National Academy of Sciences and the Journal of Biological Chemistry, where he was an editorial board member from 2000 to 2005.

At Carolina, Matson has taught a variety of courses, including Current Topics in Biology, Advanced Molecular Biology, Advanced Cell Biology and honors sections of Genetics and Molecular Biology. A past recipient of the University's Tanner Award for Excellence in Undergraduate Teaching, Matson has served on a number of campus committees.

On the national level, he is a member of the TOEFL Board, which advises the Educational Testing Service (ETS) on policies related to the English language test. He also is a member of the Graduate Record Exam (GRE) Board of Directors and served as chair in 2016–2017.

As dean of The Graduate School, Matson has led interdisciplinary efforts that are extending innovative professional development opportunities to graduate students, including the Richard Bland Fellowship Professional Pathways Program, for student internships that explore specific non-faculty career paths; and the new Graduate Certificate in Business Fundamentals, in which students learn business skills to complement their graduate-level coursework. In addition, he has led the creation of the Summer Research Fellowship program. Since 2010, these financial awards have provided critical support to students in academic areas where summer funding is limited.

Matson and his graduate dean colleagues across North Carolina implemented Graduate Education Day at the Capitol in 2011. He is the immediate past president of the North Carolina Council of Graduate Schools.

A native of Coos Bay, Ore., Matson earned a bachelor's degree in mathematics from Colgate University. His master's and doctoral degrees are from the University of Rochester, both in biochemistry.

KATHRYN LOFTON

The Doctoral Hooding Ceremony Speaker

Kathryn Lofton, a critic of popular culture and historian of religion, is a professor of religious studies, American studies, history and divinity at Yale University. She received both her master's and doctoral degrees in religious studies from UNC–Chapel Hill.

Within her books – Oprah: The Gospel of an Icon (2011) and Consuming Religion (2017) – she explores the intersection of popular culture, with its emphasis on personal consumption, and spirituality. Her next book project examines religious community and American politics through the work of singer-songwriter Bob Dylan.

Lofton has received many awards for excellence in teaching, beginning with several prizes during her time at UNC–Chapel Hill, including the 2004 William Jay Peck Teaching Award for best graduate student teaching in the religious studies department, the 2005 Tanner Award for Excellence in Undergraduate Teaching by a Graduate Teaching Assistant and the 2005 Student Undergraduate Teaching and Staff Award. At Yale, she has received the 2010 Poorvu Family Award for Interdisciplinary Teaching, the 2013 Sarai Ribicoff Award for the Encouragement of Teaching at Yale College and the 2013 Graduate Mentor Award in the Humanities.

Lofton is an administrative leader with a commitment to making universities truly inclusive and equitable institutions. She is chair of the religious studies department at Yale and is a past chair of the university's Program in Women's, Gender and Sexuality Studies and of LGBT studies. In 2016, she was appointed Yale's inaugural Faculty of Arts and Sciences deputy dean for diversity and faculty development. In Consuming Religion, she connects the work of universities to other institutional spaces in American life, and presses administrators, faculty, staff and students to consider themselves members of ethical communities that require innovation and critical attention to survive.

"Dr. Lofton is creating knowledge that illuminates powerful mechanisms within popular culture," said Steven W. Matson, dean of The Graduate School. "Drawing on her distinguished scholarship in religious studies, she is making connections that help us understand the corporate world, consumerism and parenting in novel ways."

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The Graduate School

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Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Kanat Abdulla, *Economics,* The Allocation of Talent in Brazil and India. Professor Lutz Hendricks.

Rebecca Cressey Adikes, *Biology,* The Regulation of Microtubule Dynamics by +TIPs and Cross-Linking Proteins. Professor Kevin Slep.

Sanaa Awwad Alsulami, *Nursing,* Faculty Perceptions of the Organizational Culture and Leadership in Schools of Nursing in Saudi Arabia: A Mixed Methods Study. Professor Gwen Sherwood.

Elizabeth Humphries Altenau, *Geological Sciences,* Analysis of Surface Water Dynamics Along the Tanana River, AK Using In Situ Observations, AirSWOT Measurements, and Hydrodynamic Modeling. Professor Tamlin Pavelsky.

Brandon Ramal Anjuwon-Foster, *Microbiology and Immunology,* Phase Variation of *Clostridium difficile* Virulence Factors. Professor Rita Tamayo.

Ricardo Jose Antonia, *Genetics and Molecular Biology,* IKK Family Members Regulate Growth and Autophagy by Phosphorylation of Key Substrates. Professor Albert Baldwin.

Kyle Christopher Arend, *Microbiology and Immunology,* Regulation of HCMV Major Immediate Early Gene Expression During Lytic Replication. Professor Nathaniel Moorman.

Helen Holland Avis, *Education,* Engaging the Incarcerated Mind: An Autoethnography of a Juvenile Justice Teacher. Professor Kathleen Brown.

Seth Baldwin, *Mathematics,* Positivity in T-Equivariant K-Theory of Kac-Moody Flag Varieties. Professor Shrawan Kumar.

John Paul Piso Balmonte, *Marine Sciences,* Microbial Community Composition, Extracellular Enzymatic Activities, and Structure-Function Relationships in the Central Arctic Ocean, a High-Latitude Fjord, and the North Atlantic Ocean. Professors Carol Arnosti and Andreas Teske.

Brian Barkley, *Biostatistics,* Causal Inference From Observational Studies in the Presence of Partial Interference. Professor Michael Hudgens.

Nicole Therese Bauer, *History,* In the Kingdom of Shadows: Secrecy and Transparency in Eighteenth-Century France. Professor Jay Smith.

Soha Bazyar, *Biomedical Engineering,* Desktop-Generated Micro-Planar X-Ray Beams and Their Biological Effects. Professor Yueh Lee.

William Edmund Lindsay Begley, *Classics,* The Avignon Manuscript and the Transmission of Rufinus' Translation of Origen's Peri Archon. Professor Robert Babcock.

Andrew Robert Belton, *English and Comparative Literature,* Hip Hop Illiterate: Hermeneutics for the Future of American Literary Theory and Criticism. Professor GerShun Avilez.

Samuel Isaac Berchuck, *Biostatistics,* Statistical Methods for Modeling the Spatial Structure on the Visual Field in Glaucoma Progression Research. Professors Amy Herring and Joshua Warren.

Eloisa del Mar Berman-Arévalo, *Geography,* Making Space in the "Territorial Cracks": Afro-Campesino Politics of Land and Territory in the Colombian Caribbean. Professor Gabriela Valdivia.

Nakia Best, *Nursing,* The Impact of School Nurses on Student Health and Education Outcomes. Professor Debbie Travers.

Sridutt Bhalachandra, *Computer Science,* Runtime Methods to Improve Energy Efficiency in Supercomputing Applications. Professors Allan Porterfield and Jan Prins.

William Bishop, *City and Regional Planning,* Value Creation in Proximity to U.S. Light Rail Transit Stations. Professor Roberto Quercia.

Kimberly Rose Bobier, *Art History,* Representing and Refracting the Civil Rights Movement in Late Twentieth-Century Art. Professor John Bowles.

Christopher Phillip Bowen, *Musicology,* "We Shall Remain Faithful": The Village Mode in Czech Opera, 1866–1928. Professor Annegret Fauser.

Matthew William Boyce, *Chemistry,* Developing Tools to Interrogate Oxygen's Role in Cancer Progression. Professor Matthew Lockett.

Lindsay Maurer Braun, *City and Regional Planning,* Geographies of (Dis)Advantage in Walking and Cycling: Perspectives on Equity and Social Justice in Planning for Active Transportation in U.S. Cities. Professor Daniel Rodriguez.

Jonathan Scott Brennen, *Mass Communication,* Science in Pieces: Public Science in the Deformation Age. Professor Daniel Kreiss.

Kelsey Rene Brereton, *Chemistry,* Interrogating the Thermodynamics of Transition Metal Hydride Bond Strength. Professor Alexander Miller.

John Roger Brothers, *Biology,* Geomagnetic Imprinting and Natal Homing in Sea Turtles. Professor Kenneth Lohmann.

Jaime Marie Brozowski, *Microbiology and Immunology,* G Protein-Coupled Receptor Kinase 3 (GRK3) Regulates G Protein-Coupled Receptors on Murine Bone Marrow Niche Mesenchymal Stem Cells and Hematopoietic Stem-Progenitor Cells. Professor Teresa Tarrant.

Amy Elizabeth Byrnes, *Biochemistry and Biophysics,* Regulation of Microtubule Dynamics by TOG Domain-Containing Proteins. Professor Kevin Slep.

MUSIC

On Commencement weekend, graduates, families and friends will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Doctoral Hooding ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Konigsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Konigsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

James Robert Byrnes, *Pathology,* Defining the Interactions Between Coagulation Factor XIII, Fibrin(ogen), and Red Blood Cells. Professor Alisa Wolberg.

Robert Welch Call, *Physics,* Investigations of Annealing Effects on Strontium Titanate Electrodes for Application as Bare and Dye-Sensitized Photoanodes in Photoelectrochemical Cells. Professor Rene Lopez.

Marie Camerota, *Psychology,* Evaluating a Latent Measurement Model for Infant Sleep: From Intrinsic and Extrinsic Predictors to Cognitive Outcomes. Professor Martha Cox.

Matthew Tyler Campbell, *Chemistry,* Distinguishing Carbohydrate Isomers with Ion-Molecule Reactions and Insights into Metal Cationization. Professor Gary Glish.

Jose Alfonso Campillo-Garcia, *Economics,* Three Papers on Weak Identification Robust Bootstrap Inference. Professor Jonathan Hill.

Stephen Joseph Capuzzi, *Pharmaceutical Sciences,* Cheminformatics Approaches to Computer-Aided Drug Discovery: Assay Interference, Ebola Antivirals, Kinase Chemical Probes, and Text Mining. Professor Alexander Tropsha.

Kelly Carstens, *Neuroscience,* Perineuronal Nets in Hippocampal Area CA2: Regulation by Activity and Disease. Professor Serena Dudek.

Thomas Celano, *Chemistry,* Ohmic Welding of Semiconductor Nanowire Networks. Professor James Cahoon.

Suman Chakraborty, *Statistics and Operations Research,* Dense Graph Limits and Applications. Professors Shankar Bhamidi and Andrew Nobel.

Devika Chawla, *Epidemiology,* Cannabis Use and Reproductive Health: An Investigation of Time Trends and Adverse Birth Outcomes. Professor Julie Daniels.

Jingxian Chen, *Pharmaceutical Sciences,* The Application of Nonlinear Mixed-Effects Modeling to the Optimization of HIV Treatment in Special Populations. Professor Julie Dumond.

Anthony Jacob Chergosky, *Political Science,* Incivility in Congressional Communication. Professor Jason Roberts.

Yi-Ting Chou, *Pharmaceutical Sciences,* Accessibility and Affordability of High-Priced Drugs in Advanced Non-Small Cell Lung Cancer. Professors Stacie Dusetzina and Jennifer Elston Lafata.

Phillip Wayne Clapp, *Toxicology,* Modification of Respiratory System Defense Mechanisms by Flavoring Agents in Electronic Cigarettes. Professor Ilona Jaspers.

Michael Andrew Close, *Health Behavior,* Identifying and Describing Segments of Office Workers by Activity Patterns: Associations With Demographic Characteristics, Levels of Physical Activity, and Body Mass Index. Professor Leslie Lytle.

Alisha Renee Coffey, *Genetics and Molecular Biology,* Genetics and MicroRNAs in Cardiometabolic Dysfunction: A Collective Effort in Response and Regulation. Professors Brian Bennett and Praveen Sethupathy.

Timothy Donald Conder, *Education,* "Becoming Good": Narratives of Faith, Identity, and Peoplehood for Social Justice Activists in North Carolina's Moral Movement. Professor George Noblit.

Aaron Cook, *Biochemistry and Biophysics,* Calcium-Induced Activation of Calcium and Diacylglycerol-Regulated Nucleotide Exchange Factor (CalDAG-GEFI). Professors Wolfgang Bergmeier and John Sondek.

Paul Garret Cornwell, *Mathematics,* A Symplectic View of Stability for Traveling Waves in Activator-Inhibitor Systems. Professor Christopher Jones.

Sarah Morris Cote, *Sociology,* Cultivating Effectiveness: Leadership and Participation in Local, Voluntary Groups. Professor Kenneth Andrews.

Alyssa Joy Cozzo, *Nutrition,* The Influence of Mammary Adipose Tissue and Obesity-Associated Adipose Inflammation on the Natural History of Triple-Negative Breast Cancer. Professor Liza Makowski Hayes.

David Cranford, *Anthropology,* Catawba Household Variation in the Late Eighteenth Century. Professor Vincas Steponaitis.

Yifan Cui, *Statistics and Operations Research,* Tree-Based Survival Models and Precision Medicine. Professors Michael Kosorok and Jan Hannig.

William Lawrence Czaplyski, *Chemistry,* Site-Selective Unactivated Aliphatic C-H Functionalization as a Strategy for Molecular Diversification. Professor Erik Alexanian.

Ipsita Das, *Public Policy,* Women, Social Capital, and Exposures: Examining Determinants of Environmental Health Behavior Adoption and Health Outcomes. Professor Pamela Jagger.

Scott Andrew Davis, *Pharmaceutical Sciences,* Meducation: A Randomized Controlled Trial of an Online Educational Video Intervention to Improve Glaucoma Eye Drop Technique and Adherence. Professor Betsy Sleath.

Gonzalo De Asis Ruiz, *Economics,* Corporate Debt and Distress Risk in Emerging Markets. Professor Anusha Chari.

Eldrin Lamar Deas, *Education,* "They Still Have Expectations...": An Ethnohistorical Study of Education and Reform in America's Oldest Black Town, Princeville, North Carolina. Professor George Noblit.

Meghan Jones Degler, *Education,* Practitioner Perspectives and Pedagogies in Globally Minded World Language Educators. Professor Jocelyn Glazier.

Erik Dennihy, *Physics,* Explorations of the Remnant Exoplanetary Debris Disks Around White Dwarf Stars. Professor Christopher Clemens.

Allison Dennis, *Education,* Parent Communication During Shared Reading With Girls With Rett Syndrome: The Impact of Print Referencing. Professor Karen Erickson.

Christopher John Dorst, *Philosophy,* The Best Predictive System Account of Laws of Nature. Professor Marc Lange.

Robert Kyle Driggers, *Philosophy,* Spinoza's Metaphysics From the Human Perspective. Professor Alan Nelson.

Patrick Joseph Dsilva, *Religious Studies,* The Science of the Breath in Persianate India. Professor Carl Ernst.

Michael Willis Leland Dunn, *Sociology,* Making Gigs Work: Workers, Digital Platforms, and Career Strategies. Professor Arne Kalleberg.

Travis Avery Dyer, *Business Administration,* Does Public Information Acquisition Level the Playing Field or Widen the Gap? An Analysis of Local and Non-Local Investors. Professor Mark Lang.

Patrick James Eichholz, *English and Comparative Literature,* The Great War and the Annus Mirabilis. Professor John McGowan.

David Andrew Ernst, *Biology,* Magnetoreception and Its Neural Basis in Spiny Lobsters. Professor Kenneth Lohmann.

Marziye Eshghi, *Speech and Hearing Sciences,* Development of Expressive Vocabulary and Grammar in Young Children With Repaired Cleft Palate, Children With a History of Otitis Media, and Children With Typical Development. Professor David Zajac.

Monica Faulkner, *Psychology,* Frontolimbic Circuits, Dopamine, and Attentional Bias to Alcohol Cues. Professor Charlotte Boettiger.

Bryan Fede, *Education,* Guidance in the Design and Implementation of an Online Mathematics Education Course. Professor Susan Friel.

Christopher Charles Frazer, *Physics,* Gas Dynamics and Star Formation Near Supermassive Black Holes. Professor Fabian Heitsch.

Eric Bernard Friedlander, *Statistics and Operations Research,* Mean-Field Methods in Large Stochastic Networks. Professor Amarjit Budhiraja.

Suzanna Leigh Geiser, *English and Comparative Literature,* Legal Fictions, Literary Narrative, and the Historical Truth: The Jurisprudence of Marriage in the Long Eighteenth Century. Professors James Thompson and Jeanne Moskal.

Rachel Gelfand, *American Studies,* Nobody's Baby: Queer Intergenerational Thinking Across Oral History, Archives, and Visual Culture. Professor Sharon Holland.

Alexis Seccombe Giachetti, *English and Comparative Literature,* Mid-Twentieth Century Meditations on Romantic Love in Europe. Professors John McGowan and Federico Luisetti.

Jessica Bullins Girault, *Neuroscience,* Brain Structural Maturation and Cognitive Abilities in Early Life. Professor John Gilmore.

Melissa Katherine Gish, *Chemistry,* Utilizing Ultrafast Spectroscopy to Study Charge Separation for Solar Energy Conversion. Professor John Papanikolas.

Ashley Givens, *Social Work,* Early Adult Involvement in the Criminal Justice System. Professor Gary Cuddeback.

Amy Diane Glaser, *Philosophy,* The Liberation of Young People. Professor Doug MacLean.

Dylan Isaac Glotzer, *Statistics and Operations Research,* Extreme Value Analysis, Nonlinear Random Oscillators, and Applications to Ship Motions in Irregular Seas. Professor Vladas Pipiras.

Christine Leigh Godwin, *Maternal and Child Health,* Understanding the Personal Relationships and Reproductive Health Changes of Female Survivors of Ebola Infection in Liberia. Professor Kavita Singh.

David Michael Graham, *Cell Biology and Physiology,* The Nucleus in Cell Polarization, Migration, and Mechanotransduction. Professors Keith Burridge and James Bear.

Christine Lynn Gray, *Epidemiology,* The Effect of Disruptions in Care on Wellbeing in Orphans. Professor Brian Pence.

Kelsey Marie Gray, *Genetics and Molecular Biology,* Survival Motor Neuron Protein Interaction Partners in *Drosophila melanogaster.* Professor Gregory Matera.

Cen Guo, *Pharmaceutical Sciences,* Prediction and Evaluation of Hepatic Bile Acid Transporter-Mediated Drug Interactions Using In Vitro Tools and Pharmacokinetic Modeling. Professor Kim Brouwer.

Tyson Gordon Harmon, *Speech and Hearing Sciences,* Communication Partner Perceptions, Social and Cognitive Challenge, and Spoken Language Performance in Aphasia. Professors Adam Jacks and Katarina Haley.

Bryna June Harrington, *Epidemiology,* Perinatal Depression, Retention in HIV Care, and Viral Load Among Malawian Women. Professor Brian Pence.

Mejs Hasan, *Geological Sciences,* Water Supply and Water Quality: How Can We Monitor These Using Satellites? (Both in Places With a Lot of and a Little Ground Data). Professors Larry Benninger and Aaron Moody.

Elizabeth Hasseler, *History,* Royal Saints and the Writing of History on the Peripheries of Latin Christendom, c. 1000–1200. Professor Marcus Bull.

Samuel Blackwell Heroy, *Mathematics,* Rigidity Percolation in Disordered Fiber Systems: Theory and Applications. Professor Peter Mucha.

Elijah Heyward, *American Studies,* Between Prayer and Protest: Re-Envisioning Contemporary Gullah/Geechee Identity in the Aftermath of the Charleston Shooting. Professor Glenn Hinson.

Carrie Hill, *Nursing,* How Family-Centered Care and Being a Good Parent Impact Parent Experiences in the Pediatric Intensive Care Unit. Professor Sheila Judge Santacroce.

Breanne Elizabeth Holmes, *Environmental Sciences and Engineering,* Occurrence and Control of Estrogenic and Androgenic Activity in Water. Professor Howard Weinberg.

Lee Kyung Hong, *Microbiology and Immunology,* CD30-Redirected Chimeric Antigen Receptor T Cells Target Embryonal Carcinoma via Antigen-Dependent and Fas/FasL Interactions. Professor Gianpietro Dotti.

Marie-Josephe Horner, *Epidemiology,* Cancer Burden Among Antiretroviral Therapy Users in Malawi: A Record Linkage Study Using Observational HIV Cohorts and Cancer Registry Data. Professor Andrew Olshan.

Lindsey Nicole Horrell, *Nursing,* Communication Cues to Engage Lower-to-Middle Income Adults in a Study of the Chronic Disease Self-Management Program: An Innovative Approach to Recruitment Research. Professor Shawn Kneipp.

Joshua Thomas Horvath, *Economics,* Charter School Effects on Public School Students in North Carolina. Professor Jane Cooley Fruehwirth.

Kurtis Matthew Host, *Microbiology and Immunology,* Interaction of Kaposi's Sarcoma-Associated Herpesvirus With the Host Immune System. Professor Blossom Damania.

Huamin Hu, *Chemistry,* Design of Biomimetically Inspired Hydroxyapatite-Gelatin Based Composite for Bone Scaffold Applications. Professor Wei You.

Madelyn Huang, *Toxicology,* Arsenic-Associated Diabetes: The Role of Arsenic Metabolism. Professor Miroslav Styblo.

Bin-Jin Hwang, *Microbiology and Immunology,* The Hemidesmosomal Protein BP180 (Collagen XVII) in Skin Cancer and Inflammation. Professor Zhi Liu.

Christina Redmon Inscoe, *Materials Science,* Stationary Digital Tomosynthesis: Implementation, Characterization, and Image Processing Techniques. Professor Otto Zhou.

William Peter Jackson, *Education,* Village of Wisdom: Understanding How Parents of African American Boys Help Their Children Navigate Racial Bias to Academic Success. Professors Dana Griffin and Jeffrey Greene.

Rima Januszewicz, *Chemistry,* Continuous Liquid Interface Production (CLIP) for the Fabrication of Porous Architected Structures. Professor Joseph DeSimone.

Jennifer Elizabeth Jones, *Microbiology and Immunology,* The Role of the Opal Termination Codon in Alphavirus Pathogenesis. Professor Mark Heise.

Sydney Allison Jones, *Epidemiology,* Physical Activity and Sedentary Behavior During the Retirement Transition. Professor Kelly Evenson.

Catharine Elizabeth Judson, *Classics,* Protogeometric Crete. Professor Donald Haggis.

Ahrang Jung, *Nursing,* Relationships Among Uncertainty, Post-Traumatic Stress Symptoms, and Quality of Life in Non-Muscle Invasive Bladder Cancer Survivors. Professor Deborah Mayer.

Nicole Fran Kahn, *Maternal and Child Health,* Sexual Experiences and Health Outcomes from Adolescence to Early Adulthood in Populations with Physical Disabilities. Professor Carolyn Tucker Halpern.

Julia Kane, *Nursing,* Speaking Up: Is Speaking Up or Listening Related to Healthcare Errors? Professor Linda Beeber.

Chia-Yu Kao, *Computer Science,* A Deep Learning Architecture for Histology Image Classification. Professor Leonard McMillan.

Laurel Brianne Kartchner, *Microbiology and Immunology,* Generation of Clinically Relevant Models of Burn-Associated Co-Morbidities for Analysis of Immune Dysfunction After Burn Injury. Professors Bruce Cairns and Robert Maile.

Gwen Kash, *City and Regional Planning,* Vision Dissonance in Latin American Transit Reform. Professor Daniel Rodriguez.

Sandeep Kumar Kasoji, *Biomedical Engineering,* Early Assessment of Tumor Response to Radiation Therapy Using High-Resolution Contrast Enhanced Ultrasound Imaging and Applications for Prostate Cancer. Professor Paul Dayton.

Brystana Kaufman, *Health Policy and Management,* The Impact of the Medicare Shared Savings Program on Stroke Outcomes: Findings From the Get With the Guidelines-Stroke Registry. Professor Sally Stearns.

Gregory Randall Keele, *Bioinformatics and Computation Biology,* Experimental Design and Analysis of Multiparental Populations and Their Derivatives. Professor William Valdar.

Elizabeth Audrey Keenan, *Chemistry,* Functionalization and Characterization of Thin Film Materials: Molybdenum Disulfide, Small Molecule Transistors, and 2D Perovskites. Professor Wei You.

Danielle Arletta Keller, *Ecology,* How the Structure and Spatial Components of Habitat Affect Estuarine Communities. Professor Joel Fodrie.

William Augustus Keyes IV, *Communication Studies,* A Rhetorical Criticism: Benjamin Elijah Mays, Interpreter of World Events, Inspirer of Young Men, and President of Morehouse College, 1940–1967. Professor William Balthrop.

Christine Lynn Kirkpatrick, *Chemistry,* Development, Validation, and Applications of the PepSAVI-MS Pipeline for Natural Product Bioactive Peptide Discovery. Professor Leslie Hicks.

Stephanie Konle, *Education,* Engaging Our Histories and the Difficult Histories We Teach. Professor Madeleine Grumet.

Sarah Kowitt, *Health Behavior,* How, Why, and for Whom Do Neighborhood Characteristics Matter? Using Multilevel Modeling to Examine Associations Among Neighborhood Context and Health Outcomes. Professor Edwin Fisher.

Lina Juliane Kuhn, *English and Comparative Literature,* Following Darwin: Biopolitics and the Grotesque in American and German Culture, 1890–1933. Professors Matthew Taylor and Eric Downing.

Suzanne Landi, *Epidemiology,* Comparative Safety and Effectiveness of Metformin Versus Insulin Treatment for Gestational Diabetes: Maternal, Neonatal, and Child Health Outcomes. Professor Michele Jonsson Funk.

Katelyn Susan Lavrich, *Toxicology,* Initiating Oxidative Events Induced by Particulate Matter Component 1,2-Naphthoquinone in Human Airway Cells. Professor James Samet.

Nirosha Mahendraratnam Lederer, *Pharmaceutical Sciences,* Optimizing Antiemetic Use in Patients Initiating Highly Emetogenic Intravenous Chemotherapy: Lessons Learned from Big Data and Modeling. Professor Stacie Dusetzina.

Hyejin Lee, *Art History,* "Tout en l'air": Visual and Material Representations of Air in Eighteenth-Century France. Professors Christopher Johns and Mary Sheriff.

Micah Nathaniel Levinson, *Political Science,* The Origins of Secessionist Conflict: Predicting When Governments Will and Will Not Permit Secession. Professor Gary Marks.

Chaosu Li, *City and Regional Planning,* Essays on Climate Change Mitigation, Building Energy Efficiency, and Urban Form. Professor Yan Song.

Lesheng Li, *Chemistry,* Quantum Dynamics of Excited Charge Carrier at Heterogeneous Interface Between Semiconductor and Organic Molecule. Professor Yosuke Kanai.

Qi Liu, *Biomedical Engineering,* Immunotherapy for BRAF-Mutant Melanoma: Nano-Medicine Approaches of Vaccination and Immune-Modulation. Professor Leaf Huang.

Brianna Lombardi, *Social Work,* Painting the Whole Picture: Victimization and Adversity Within a National Sample of Child Welfare Involved Youth. Professor Sarah Bledsoe.

Daniel Jamison Luckett, *Biostatistics,* Machine Learning for Data-Driven Biomedical Decision Making. Professor Michael Kosorok.

Poulami Maitra, *Biostatistics,* Statistical Methods for Data from Case-Cohort Studies. Professor Jianwen Cai.

Stephen Walter Mandravelis, *Art History,* Sowing Rural Vision: Imagining the Farm in the American Agriculturist, 1842–1878. Professor Bernard Herman.

Kaila Ashley Margrey, *Chemistry,* Development of Aromatic and Aliphatic C-H Functionalizations via Photoredox Catalysis. Professor David Nicewicz.

Ashley Elizabeth Mason, *Occupational Science,* Mealtime Activities and Experiences of Children Living in North Carolina. Professor Ruth Humphry.

Kathleen McClain Massimino, *Epidemiology,* Polyunsaturated Fatty Acids and the Barrett's Esophagus-Esophageal Adenocarcinoma Continuum. Professor Marilie Gammon.

Desiree Marie Matias, *Chemistry,* Activation of Carbodicarbene Catalysts for Diene Hydrofunctionalization and Exploration of Chemical Reactivity Using Commodity Chemicals. Professor Jeffrey Johnson.

Paul Maurizio, *Bioinformatics and Computational Biology,* Modeling the Host Genetic Determinants of Influenza Virus Pathogenesis in Mice. Professors Mark Heise and William Valdar.

Autumn Deer McClellan, *Sociology,* Social Psychological Influences on Participation in Online Collective Action. Professor Neal Caren.

Laura McGuinn, *Epidemiology,* Early Life Air Pollution Exposure and Autism Spectrum Disorder: Identifying Critical Windows of Susceptibility and Susceptible Subgroups. Professor Julie Daniels.

Robert McKee, *Microbiology and Immunology,* The c-di-GMP Regulatory Network in *Clostridium difficile* Modulates Surface Adherence and Persistence in the Mammalian Gut. Professor Rita Tamayo.

Rachel Cara McMullan, *Genetics and Molecular Biology,* Adverse Response to Exercise: Mouse Model Development. Professor Fernando Pardo-Manuel de Villena.

James Alexander McVey, *Communication Studies,* Policing the Post-Racial: Visual Rhetorics of Racial Backlash. Professor Eric King Watts.

Christine Allisandra Mills, *Pharmacology,* Ubiquitin and Ubiquitin-Like Proteins in Cell Cycle Regulation. Professor Michael Emanuele.

Adria Nicole Molotsky, *Public Policy,* Poverty, Income Shocks, and Decision-Making: Evidence from Malawi. Professor Sudhanshu Handa.

Nicolas Morales, *Computer Science,* Efficient Wave-based Sound Propagation and Optimization for Computer-Aided Design. Professor Dinesh Manocha.

Ian Murphy, *Communication Studies,* Post-Internet Circuits of Media Distribution. Professors Richard Cante and Michael Palm.

Elizabeth Virginia Carol Mutter-Rottmayer, *Toxicology,* Defining New Mechanisms for DNA Damage Tolerance in Cancer. Professors Cyrus Vaziri and Dale Ramsden.

Chelsea Nehler, *Psychology,* Adrenarche During the Great Recession as an Environmental Challenge to Psychosocial Development: An Evolutionary-Developmental Perspective. Professor Jean-Louis Gariépy.

Sara Wallace Nowell, *Speech and Hearing Sciences,* Social-Communication and Self-Regulation Development in Children with Autism Spectrum Disorder. Professor Linda Watson.

Angela Gina O'Donnell, *English and Comparative Literature,* Radical Ambivalence: Race in Flannery O'Connor. Professor Joseph Viscomi.

Andrew Ofstehage, *Anthropology,* Transnational Farmers in Soylandia: U.S. Farm Crisis, Soy Commodity Frontier of the Brazilian Cerrado, and the Emergence of Flexible Farmers. Professor Rudolf Colloredo-Mansfeld.

James Dertad Omartian, *Business Administration,* Do Banks Aid and Abet Asset Concealment: Evidence from the Panama Papers. Professor Eva Labro.

Daniel Oreper, *Bioinformatics and Computational Biology,* Computational Methods for Studying Parent-of-Origin Effects via Reciprocal Mouse Crosses. Professor William Valdar.

Kelly Ann Orgel, *Cell Biology and Physiology,* Advances in Treatments and Animal Models of Peanut Allergy. Professor Wesley Burks.

Dana Kristine Pasquale, *Epidemiology,* Epidemiological Analysis of HIV Sociosexual and Phylogenetic Networks in Central North Carolina. Professor William Miller.

Tejash Vijay Patel, *Pharmaceutical Sciences,* Process Design for Scalable Recombinant Adeno-Associated Virus. Professor Xiao Xiao.

Ericka Patillo, *Information and Library Science,* The Middle Manager Role in Academic Libraries. Professor Barbara Moran.

Avery Byrd Paxton, *Biology,* Species-Habitat Relationships and Community Structure of Reef Fishes Associated With Temperate Hardbottom Reefs of North Carolina, USA. Professor Charles Peterson.

Ke Peng, *City and Regional Planning,* Built Environment, Use of Restaurants and Food Stores, and Food Purchasing Behaviors in the United States. Professor Nikhil Kaza.

Taylor Joel Richard Penke, *Genetics and Molecular Biology,* Understanding Heterochromatin Biology Through Histone Mutagenesis. Professor Bob Duronio.

Jacob Perry, *Mathematics,* Localized Energy Estimates for Wave Equations Exterior to Non-Star-Shaped Obstacles. Professor Jason Metcalfe.

Ian Joseph Philipp, *Mathematics,* The Geometry of DAHA Superpolynomials. Professor Ivan Cherednik.

Jeannette Hill Porter, *Mass Communication,* In the Pastor's Study: A Grounded Theory Analysis of African American Baptist Ministers' Communication on Mental Health and Illness. Professor Brian Southwell.

Louis Howard Porter, *History,* Cold War Internationalisms: The Soviet Union in UNESCO, 1945–1967. Professor Donald Raleigh.

Trista Laurel Reis Porter, *American Studies,* Resisting Canonicity: Translating Tradition, Community, and Voice in the Work of Three American Artists. Professor Bernard Herman.

Elyse Powell, *Nutrition,* Trends in U.S. Household Low-Sugar Product Purchases from 2002 Through 2014. Professor Linda Adair.

Jami Celeste Powell, *Anthropology,* Creating an Osage Future: Art, Resistance, and Self-Representation. Professors Jean Dennison and Rudolf Colloredo-Mansfeld.

Samantha Puvanesarajah, *Epidemiology,* Associations Between Mode of Detection, Imaging Features, and Breast Cancer Subtype in the Carolina Breast Cancer Study. Professor Melissa Troester.

Alexandra Jean Reyes, *Education,* Un Retrato de Comunidad: A Portrait of a Community-Based Spanish Heritage Language Program in the New Latinx South. Professor Juan Carrillo.

Jennifer Rhee, *Economics,* Essays in International Economics Using Firm-Level Data. Professor Anusha Chari.

Jacqueline Finley Ring, *Nursing,* Predicting Admission at Emergency Department Triage: A Test of the Admission Predictor Tool. Professor Debbie Travers.

Quentin Ante' Robinson, *Mathematics,* Surface Disturbances Generated by Fluid Flow Past an Obstacle or Over Topography as Predicted by the Korteweg-de Vries and Euler Equations. Professors Roberto Camassa, Jeremy Marzuola, Richard McLaughlin.

Esmeralda Rodriguez, *Education,* Surveilled Bodies: Race, Gender, and the Emergence of Mujerista Youth Literacies in the New Latinx South. Professor George Noblit.

Juan David Rojas, *Biomedical Engineering,* Contrast Enhanced Ultrasound for the Assessment of Tumor Response to Therapy. Professor Paul Dayton.

Samuel Isaac Rosen, *Business Administration,* Essays in Macro-Finance and Banking. Professor Mariano Massimiliano Croce.

Temperance Rowell, *Cell Biology and Physiology,* Flavor-Dependent Effects of E-Cigarette Liquids and Their Chemical Constituents on Lung Epithelial Toxicity and Cell Ca2+ Signaling. Professor Robert Tarran.

Katherine Rucinski, *Epidemiology,* Longitudinal Patterns of Unmet Need for Contraception and the Effect of Fertility Intentions on Attendance at HIV Clinical Care Visits Among HIV-Infected Women Taking ART in South Africa. Professor Audrey Pettifor.

John Stevens Runge, *Genetics and Molecular Biology,* Combinatorial Regulation by Enzymes That Modulate the Chromatic Landscape and Gene Expression. Professor Terry Magnuson.

Renee Catherine Ryberg, *Sociology,* Inequality and the Transition to Adulthood. Professor Lisa Pearce.

Wayne Erik Rysavy, *Communication Studies,* Haunted by Specters, Surrounded by Spectators: Law, Technology, and the Fragmentation of Identity. Professor Ken Hillis.

Adam Sage, *Pharmaceutical Sciences,* Optimizing Patient Comprehension of Information Visualizations for Medication Adherence and Blood Pressure. Professor Delesha Carpenter.

Samuel Savitz, *Health Policy and Management,* Health Literacy in Treatment Selection and Medication Adherence: Application to Stable Angina. Professor Sally Stearns.

Keith Schaefer, *Romance Languages and Literatures,* Enchanting Stories and Secular Scripts: Religion and Secularization in Selected Works by Miguel de Unamuno. Professor Sam Amago.

Chelsea Schein, *Psychology,* Beyond Nasty Women and Deplorables: Bridging Political Divides by Focusing on the Common Denominator of Harm. Professor Kurt Gray.

Sarah Elizabeth Schoenrock, *Neuroscience,* Using the Collaborative Cross Mouse Population to Investigate Environmental and Genetic Factors that Influence Complex Behaviors. Professor Lisa Tarantino.

Guy Shalev, *Anthropology,* Medicine and the Politics of Neutrality: The Professional and Political Lives of Palestinian Physicians in Israel. Professor Michele Rivkin-Fish.

Kate Sheahan, *Health Policy and Management,* Facility-Level Integration of Family Planning and Child Immunization Services: Its Measurement, Determinants, and Association With Service Delivery Outcomes and Postpartum Contraceptive Use in Urban Areas of Nigeria. Professor Antonia Bennett.

Robin Rudy Smith, *English and Comparative Literature,* The Poet's Labor: Industrialization and the Place of Poetry in Antebellum America. Professor Eliza Richards.

Adam Speen, *Toxicology,* Interactions Among Ozone, Oxysterols, and Adverse Health Effects in the Human Airway. Professor Ilona Jaspers.

Natalie Mary Stanley, *Bioinformatics and Computational Biology,* Community Detection Approaches for Multilayer, Attributed, and Large Networks. Professor Peter Mucha.

Kimberly Madie Stratford, *Toxicology,* Vitamin D Deficiency and Air Pollution: Effects Impacting the Cardiovascular System. Professor Mehdi Hazari.

Holly Kathryn Straut Eppsteiner, *Sociology,* Constrained Choices: Latina Immigrants Negotiating Work, Family, and Legality in the New South. Professor Jacqueline Hagan.

Jean Marie Strelitz, *Epidemiology,* Heart Attacks Among Oil Spill Workers Five Years After Deepwater Horizon: A Longitudinal Analysis in the GuLF Study. Professor Lawrence Engel.

Mathew Robert Swiatlowski, *American Studies,* The Sound of Ethnic America: Prewar "Foreign-Language" Recordings and the Sonics of U.S. Citizenship. Professor Jocelyn Neal.

Karen Swietek, *Health Policy and Management,* The Patient-Centered Medical Home: Impact on Racial/Ethnic Disparities in Quality of Care. Professor Marisa Domino.

Zhenyu Tian, *Environmental Sciences and Engineering,* Non-Target Analysis of Bioremediated Soil. Professor Michael Aitken.

Kea Turner, *Health Policy and Management,* Piloting a Medicaid Population Health Management Intervention in Community Pharmacies: An Implementation Study. Professor Christopher Shea.

Bryce Robert Van Dam, *Marine Sciences,* Fickle Fluxes: Carbon Biogeochemistry Across Temporal Scales. Professor Hans Paerl.

Abhishek Venkatratnam, *Environmental Sciences and Engineering,* Inter-Individual Differences in Trichloroethylene Toxicokinetics and Toxicodynamics in Genetically Diverse Mice. Professor Ivan Rusyn.

Lior Vered, *Chemistry,* Memory and Hysteresis in Pheromone-Regulated Polarity in Yeast. Professor Tim Elston.

Laura Patricia Villa-Torres, *Health Behavior,* Living Undocumented: An Ethnographic Study of the Mental Health and Wellbeing of Undocumented Mexican Migrant Men. Professor Clare Barrington.

Heather Ashley Vincent, *Microbiology and Immunology,* Regulation of mRNA Translation by Human Cytomegalovirus pTRS1. Professor Nathaniel Moorman.

John Wachen, *Education,* Media Coverage of Educational Testing: Understanding Issue Dimensions Using Topic Modeling. Professor Lora Cohen-Vogel.

Katherine Nicole Walker, *English and Comparative Literature,* Reading the Natural and Preternatural Worlds in Early Modern Drama. Professor Mary Floyd-Wilson.

Ke Wang, *Computer Science,* Towards Efficient 3D Reconstructions from High-Resolution Satellite Imagery. Professor Jan-Michael Frahm.

Julia Bennett Ward, *Epidemiology,* Generational and Neighborhood Sociocultural Factors and Depression Among Latinos. Professor Allison Aiello.

Caitlin Grace Watt, *English and Comparative Literature,* Authorship and the Discovery of Character in Medieval Narrative. Professor Shayne Legassie.

Emily Werder, *Epidemiology,* Styrene Exposure and Neurologic Effects in Residents of the U.S. Gulf States. Professor Lawrence Engel.

Emily Grace Werth, *Chemistry,* Exploration of Kinase-Regulated Cellular Signaling in *Chlamydomonas reinhardtii.* Professor Leslie Hicks.

Sarah Jeanette Willis, *Epidemiology,* Chronic Hepatitis C Infection and HIV Treatment Outcomes Among Women Who Initiate Antiretroviral Therapy. Professor Stephen Cole.

Jonathan Clark Wright, *School Psychology,* The Challenge of Community College Student Academic Motivation: The Go for Growth Intervention. Professor Steve Knotek.

Ya-Ke Wu, *Nursing,* Weight Stigma and Acculturation in Relation to Hair Cortisol and Binge Eating in Asian Americans with Overweight and Obesity. Professor Diane Berry.

Rae Yan, *English and Comparative Literature,* "This Seemingly So Solid Body": Philosophical Anatomy and Victorian Fiction. Professors John McGowan and Beverly Taylor.

Shan Yang, *Computer Science,* Non-Rigid Body Mechanical Property Recovery from Images and Videos. Professor Ming Lin.

Yi Yao, *Chemistry,* Advancing Molecular Dynamics Simulations of Aqueous Ionic Solutions. Professor Yosuke Kanai and Max Berkowitz.

Douhan Justin Yeh, *Biology,* The Interactions Between Learning and Speciation. Professor Maria Servedio.

Jen-Huei Yeh, *Nursing,* Deliberate Practice With Mastery Learning: Using an Online Approach to Develop Nursing Students' Interprofessional Critical Incident Reporting Skill. Professor Gwen Sherwood.

Eleni Zgourou, *Education,* Home Literacy Practices at 36 Months of Age and Child Concurrent and Later Language and Literacy Skills in Families Living in Rural Areas of High Poverty. Professor Lynne Vernon-Feagans.

Jing Zhou, *Economics,* Examination of Physician Labor Supply and Its Effect on Patient Welfare, The Doctor is In/Out: Determinants of Physician Labor Supply Dynamics and Physicians, Where Art Thou? The Effect of Physician Supply on Admissions for Ambulatory Care Sensitive Conditions. Professor Donna Gilleskie.

Xuan Zhou, *Biostatistics,* New Statistical Learning Methods for Personalized Medical Decision Making. Professors Dongling Zeng and Yuanjia Wang.

Carl Andrew Ziegler, *Physics,* Characterization of Exoplanets and Stellar Systems With New Robots. Professor Nicholas Law.

Bailey Zwarycz, *Cell Biology and Physiology,* Extrinsic Regulation of Intestinal Stem Cell Proliferation and Differentiation by Niche Components. Professor Scott Magness.

DOCTOR OF EDUCATION

Jose Cardoza, *Educational Leadership,* Moving Toward Dual-Language Approaches: A Potential Solution to Achievement Gaps for Newly Arrived Hispanic Students. Professor Kathleen Brown.

Maureen Joanna Findley, *Educational Leadership,* The Impact of Looping in an Elementary School Setting. Professor Brian Gibbs.

Janice Marie Giles, *Educational Leadership,* Teacher Retention and the Impact of North Carolina's New Definition of a Low-Performing School. Professor Brian Gibbs.

Dena Kelly Keeling, *Educational Leadership,* Towards a Critical Race Discourse Framework for Addressing Discipline Disparities for African American Students. Professors Eric Houck and Dana Thompson Dorsey.

Meredith Leigh Maier, *Educational Leadership,* Critical Case Studies of District-Level Equity Leaders in Public Schools. Professor Brian Gibbs.

Gregory Leon McKnight, *Educational Leadership,* Exploring the Relationship Between Professional Development Leaders' Competencies of Effective Professional Learning and Teachers' Perceptions of Professional Development. Professor Erick Houck.

Susan Jane Price-Cole, *Curriculum and Instruction,* Instructional Coaching and Co-Teaching in Elementary Mathematics Classrooms. Professor Eric Houck.

Jason Sinquefield, *Educational Leadership,* Best in Class: An Investigation of the Relationship Between Teacher Quality Indicators and Student Performance in North Carolina. Professor Eric Houck.

Quamesha Whitted-Miller, *Educational Leadership,* Critical Theory and Popular Culture: Preparing School Leaders for the Emerging Majority. Professor James Trier.

DOCTOR OF NURSING PRACTICE

Jennifer Clayton Apple, *Nursing Practice,* Implementation of an Evidence-Based Educational Program to Promote the Correct Use of a Subdermal Contraceptive Implant in Women of Child-Bearing Age. Professor Diane Caruso.

Kelly West Bates, *Nursing Practice,* Improving Staff Comfort With and Delivery of Behavioral Counseling Interventions to Adolescent and Young Adult Males Presenting for Sexually Transmitted Infection Screening. Professor Eric Hodges.

Paula Bird, *Nursing Practice,* Generalist Nurses Caring for Patients with Mental Illness in a Non-Psychiatric Setting. Professor Cheryl Jones.

Lindsey Megan Carpenter, *Nursing Practice,* Improving Provider Adherence to Metabolic Monitoring Guidelines When Prescribing Atypical Antipsychotics to Youths. Professor Grace Hubbard.

Sarah Elizabeth Wieber Croop, *Nursing Practice,* Implementation of a Golden Hour Protocol for Extremely Premature, Extremely Low Birth Weight Infants. Professor Sue Thoyre.

Rebecca Dragomani, *Nursing Practice,* No Child Left Behind: A Quality Improvement Clinical Implementation to Improve the Treatment Outcomes, Quality of Life, and Quality of Care for School-Aged Children with ADHD at a Rural Primary Care Practice. Professor Victoria Soltis Jarrett.

Jessica Kaylyn Grimes, *Nursing Practice,* Public Health Nurse Intervention for Depression Screening During Sexually Transmitted Disease Risk Assessments. Professor Jean Davison.

Erica Jane Harberger, *Nursing Practice,* Addressing Human Papillomavirus Vaccination Rates in the 11–12 Year Old Age Group Through Improved Provider Recommendation. Professor Carrie Palmer.

Jacob Robert Haskins, *Nursing Practice,* Mind Over Matter: Enhancing Compassion Satisfaction in Oncology Nursing. Professor Cheryl Jones.

Melissa Butcher Holt, *Nursing Practice,* Improving Psychosocial Distress Screening: A Quality Improvement Project Using Staff Education. Professor Victoria Soltis-Jarrett.

Dakar Scott Howell, *Nursing Practice,* Increasing Access to Care and Knowledge of Services for Women Veterans in the VA Healthcare System. Professor Elaine Harwood.

Jingwen Hua, *Nursing Practice,* Implementation of an Evidence-Based Pain Assessment Protocol in a Nursing Home Setting. Professor Anna Beeber.

Ivnoma Ogbonneya Igwe, *Nursing Practice,* Reducing Horizontal Violence Among Nurses at the Durham VA Medical Center. Professor Cheryl Giscombe.

Nancy Kebaso, *Nursing Practice,* Conversations About Dying: Can African American Churches Use the TCP Toolkit to Facilitate End of Life Care Planning? Professor Beth Black.

Benjamin Linthicum, *Nursing Practice,* Improving Emergency Department Throughput by Adoption of an Admissions Predictor Tool at Triage. Professor Debbie Travers

Mary Catherine Quintana, *Nursing Practice,* Incorporating Advance Care Planning into Primary Care. Professor Meg Zomorodi.

Kristin Elizabeth Rush, *Nursing Practice,* Paving the Path to Mindfulness: Implementation of a Program to Reduce Stress and Burnout in Inpatient Psychiatric Nurses. Professor Grace Hubbard.

Samantha Russomagno, *Nursing Practice,* Improving Postpartum Depression Screening and Referral in the Pediatric Setting. Professor Julee Waldrop.

Anusha Kumar Smith, *Nursing Practice,* Development of a Practice Protocol for the Use of Long-Acting Injectable Antipsychotic Medications in the Emergency Department. Professor Cheryl Giscombe.

Cecily Robin Smith, *Nursing Practice,* Underuse of Oral Anticoagulation Therapy in Older Adults With Atrial Fibrillation After Stroke. Professor Carrie Palmer.

Elizabeth Walters, *Nursing Practice,* Improving Antibiotic Stewardship in the Pediatric Emergency Department. Professor Jennifer D'Auria.

DOCTOR OF PUBLIC HEALTH

David Adler, *Health Leadership,* The Politics of Expanding Medicaid in Republican-Led States: Lessons from Arizona, Indiana, and Tennessee. Professor Jonathan Oberlander.

Zara Ahmed, *Health Leadership,* CDC Engagement With the Global Fund: Current Approaches and Opportunities for Enhanced Collaboration. Professor Sandra Greene.

Laurie Bronson, *Health Leadership,* Social Drivers of Health and Local Public Health Agencies of North Carolina. Professor Pam Silberman.

Evan Simpson, *Health Leadership,* Assessing the Organizational Readiness of the Zambia Ministry of Health to Adopt a New Immunization Supply Chain Distribution System. Professor John Paul.

Rebbecca Patrice Wilson, *Biostatistics,* A Repeated Measures Imputation Approach for Missing Accelerometer Data. Professor Shrikant Bangdiwala.

Janell Erica Wright, *Health Leadership,* Impact of HIV Project ECHO (Extensions for Community Health Outcomes) Intervention in Kazakhstan. Professor Sandra Greene.

The School of Education

ESTABLISHED 1885

Dean Fouad Abd-el-Khalick

DOCTOR OF EDUCATION

Sharon Raye Goldman, *Educational Leadership,* Dual Language Two-Way Immersion Programs: Exploring Instructional Practices that Promote Literacy Proficiency for Spanish-Speaking English Language Learners. Professor Kathleen Brown.

GRADUATE DEGREES

August 2017 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Andrew Ali Aghapour, *Religious Studies,* Religion Made Flesh: Modernity, Ideology and the New Sciences of the Brain. Professor Randall Styers.

Abigail Elizabeth Agoglia, *Neuroscience,* Assessing the Adolescent and Adult Prefrontal Cortex Proteome for Mechanisms of Enhanced Vulnerability to Alcoholism. Professor Clyde Hodge.

Danielle Joi Allen, *Education,* A Site of Resistance and/or Reclamation? The Role of the Black Church in the Charter School Movement. Professor Lora Cohen-Vogel.

Juliann Kay Anderson, *School Psychology,* An Examination of Psychological Variables and Reading Achievement in Upper Elementary Students. Professor Rune Simeonsson.

Daniel Auguste, *Sociology,* A Structural and Comparative Analysis of the Entrepreneurial Process. Professors Ted Mouw and François Nielsen.

Earl Wayne Bailey, *Information and Library Science,* Measuring Online Search Expertise. Professor Diane Kelly.

Maureen Baker, *Nursing,* Nurse Perceptions of Engaging Low-Income Depressed Mothers in a Mental Health Intervention. Professor Linda Beeber.

Kimberly Diane Barnash, *Pharmaceutical Sciences,* A Combinatorial Platform for the Optimization of Peptidomimetic Methyl-Lysine Reader Antagonists. Professor Stephen Frye.

Timothy Barr, *Chemistry,* Interfacial Electron Transfer at Sensitized Nanocrystalline TiO2 Electrolyte Interfaces: Influence of Surface Electric Fields and Lewis Acidic Cations. Professor Gerald Meyer.

Samuel Lee Bartlett, *Chemistry,* New Complexity-Building Reactions of Đ-Keto Esters. Professors Jeffrey Johnson and David Nicewicz.

Kiran Bhardwaj, *Philosophy,* Reason, Emotion and Consequence: Moral Psychology and Kantian Ideals. Professor Thomas Hill Jr.

Rebecca Lea Bigler, *Genetics and Molecular Biology,* The Axonal Transcriptome of Human Embryonic Stem Cell Derived Neurons and the Cell Autonomous Transcriptional Response to Axon Injury. Professor Anne Taylor.

Emma Ciel Bowers, *Toxicology,* Harnessing Inter-Individual Variability to Identify Molecular Mechanisms Shaping Airway Epithelial Cell Transcriptional Responses to Ozone Exposure. Professor David Diaz-Sanchez.

Sarah Elizabeth Boyd, *English and Comparative Literature,* Masculinity and the Highly Wrought Style in Nineteenth-Century American Literature. Professor Eliza Richards.

Laura Elizabeth Brade, *History,* Networks of Escape: Jewish Flight From the Bohemian Lands, 1938–1941. Professors Christopher Browning and Chad Bryant.

James Nelson Brantner, *Philosophy,* On Fiction: What It Is, What It Does and Why We Care About It. Professor William Lycan.

Seth Brazell, *Geological Sciences,* Seismic Record of West Antarctic Ice Sheet Dynamics During the Late Oligocene to Early Miocene in the Eastern Basin, Ross Sea. Professor Donna Surge.

Kanisha Coleman Brevard, *Social Work,* Child Welfare Decision Making: Does Race Matter? Professor Mark Testa.

Hailey Elizabeth Brighton, *Cell Biology and Physiology,* Intravital Imaging of Melanoma in Combination With Molecular Analysis Reveals Key Changes in Stromal ECM and Tumor Behavior in Persistence Against MEKI. Professor James Bear.

Lisa May Brownstone, *Psychology,* Subjective Binge Eating: Phenomenology, Momentary Emotions and Associated Features. Professor Anna Bardone-Cone.

Sally Bullock, *Nutrition,* Promoting School Breakfast at the County and State Level: An Evaluation of Alternative Service Models. Professor Alice Ammerman.

Greta Alleyne Bushnell, *Epidemiology,* Pediatric Anxiety: Initial Pharmacotherapy, Adherence Prediction and Burden of Events. Professor Til Stürmer.

Ebonee Butler, *Epidemiology,* Smoking and Variation in Breast Tumor Biomarker Expression. Professor Melissa Troester.

Maia Call, *Geography,* Rural Livelihoods and Environmental Change in Uganda. Professor Clark Gray.

Dangxing Chen, *Mathematics,* Spatio-Temporal Integral Equation Methods With Applications. Professors Jingfang Huang and Jianfeng Lu.

Jingxiang Chen, *Biostatistics,* Machine Learning Techniques for Heterogeneous Data Sets. Professors Yufeng Liu and Michael Kosorok.

Xi Chen, *Statistics and Operations Research,* Dynamic Models of Asset Returns and Mortgage Default. Professors Eric Ghysels and Chuanshu Ji.

Wan Suk Choi, *Biostatistics,* Semiparametric Approaches for Auxiliary and Incomplete Covariate Under Outcome Dependent Sampling Designs. Professor Haibo Zhou.

Diana Cristina Chong, *Genetics and Molecular Biology,* Sprouting Angiogenesis During Retinal Development and Wound Healing. Professor Victoria Bautch.

Rachael Annette Clemens, *Information and Library Science,* Human Information Behavior, Coping and Decision-Making in the Context of a Personal Crisis: An Interpretative Phenomenological Analysis of the Voices of Birthmothers on Relinquishing a Child for Adoption. Professor Barbara Wildemuth.

Veronica Cole, *Psychology,* Adapting Mixture Models to Take Into Account Measurement Non-Invariance. Professor Daniel Bauer.

Ryan Cronk, *Environmental Sciences and Engineering,* Using Monitoring Data to Identify Water and Sanitation Service Delivery Improvement Opportunities in Low- and Middle-Income Countries. Professor Jamie Bartram.

William Daniel, *Chemistry,* Brush-Like Polymers: New Design Platforms for Soft, Dry Materials With Unique Property Relations. Professor Sergei Sheiko.

Trisha Dant, *Microbiology and Immunology,* Examining Factors Critical to T Cell Suppression and Migration During Acute Graft-Versus-Host Disease. Professors Jonathan Serody and Yisong Wan.

Emily Cubbon Ditto, *Anthropology,* Cosmological Caches: Organization and Power at Chaco Canyon, New Mexico, A.D. 850–1150. Professor Vincas Steponaitis.

Otha Dixon-McKnight, *History,* "We Shall Not Always Plant While Others Reap": Black Women Hospital Workers and the Charleston Hospital Strike, 1967–1970. Professor Jacquelyn Hall.

Corey James Ellithorpe, *History,* Circulating Imperial Ideology: Coins as Propaganda in the Roman World. Professor Richard Talbert.

Adam Engel, *English and Comparative Literature,* Between Two Worlds: The Functions of Liminal Space in Twentieth-Century Literature. Professor Pamela Cooper.

Marisa Enrico, *School Psychology,* Exploring the Relationship Between Organizational Social Context of Schools, Individual Provider Characteristics and Teacher Attitudes Toward Social Emotional Learning. Professor Steven Knotek.

Bradley Thomas Falk, *Biochemistry and Biophysics,* Probing Subunit Communication via a Singly Ligated State of Dimeric Thymidylate Synthase. Professor Andrew Lee.

Yan Feng, *Mathematics,* Model Reduction in Biomechanics. Professor Sorin Mitran.

Krasimira Dimitrova Filcheva, *Philosophy,* The Ineffable and Its Many Manifestations: A Neo-Kantian Approach. Professors Alan Nelson and Thomas Hofweber.

Derek Adam Franklin, *Pharmacology,* Exploring the Metabolic Regulation of P53 From Ribosomal Proteins to Very Long Chain Fatty Acids. Professor Yanping Zhang.

Ryan Frazer, *Geological Sciences,* The Significance of Atypical High-Silica Igneous Rocks. Professor Drew Coleman.

David Ezekiel Fuente, *City and Regional Planning,* Essays on Water and Sanitation Service Delivery in Sub-Saharan Africa. Professor Dale Whittington.

Matthew John Geden, *Cell Biology and Physiology,* Consequences of Directed Mitochondrial DNA Damage in Primary Neurons. Professor Mohanish Deshmukh.

Isaiah Nathaniel Gober, *Chemistry,* Design and Application of Synthetic Receptors for Recognition of Methylated Lysine and Supramolecular Affinity Labeling. Professor Marcey Waters.

Ayodele Ayoka Gomih, *Epidemiology,* The Role of HPV and DNA Methylation in the Development of Precancerous Cervical Lesions. Professor Jennifer Smith.

Michelle Alejandra Gonzalez, *Psychology,* The Cascading Effects of Behavioral Parent Training on Caregiver Depressive Symptoms: An Examination of Generalized Treatment Effects and Potential Modulating Mechanisms of Change in Low- Income Families. Professor Deborah Jones.

Annelise Hocevar Gorensek, *Chemistry,* Small and Large Cosolutes Modulate Enzyme Activity and Protein Folding Kinetics. Professor Gary Pielak.

Stephen David Halliday, *Business Administration,* Killer App or Killed by Greed? VC and Manager Time Orientation in IPO Firms. Professor Rich Bettis.

Eric Robert Hansen, *Political Science,* Constituency Diversity and Representation in the American States. Professor Thomas Carsey.

Shakia Tranece Hardy, *Epidemiology,* Blood Pressure-Related Approaches to Reduce the Burden of Chronic Kidney Disease and Kidney Failure. The Atherosclerosis Risk in Communities (ARIC) Study. Professor Gerardo Heiss.

Matthew Stephen Harkey, *Human Movement Science,* Associations Between the Biological, Structural and Mechanical Components of Cartilage Health Following Acute Loading in Healthy Participants. Professor Brian Pietrosimone.

Allison Etta Hartman, *Physics,* Development of Prospective Gating in Stationary Digital Chest Tomosynthesis Using a Carbon Nanotube X-Ray Source Array. Professor Otto Zhou.

Matthew Thomas Haynes, *Pharmaceutical Sciences,* Maximizing the Supported Bilayer Phenomenon: Liposomes Comprised Exclusively of Pegylated Phospholipids for Enhanced Local and Systemic Delivery. Professors Leaf Huang and Xiao Xiao.

Kristin Michelle Healey, *Psychology,* Latent Profile Analysis and Conversion to Psychosis: Characterizing Subgroups to Enhance Risk Prediction. Professor David Penn.

Erika Sarah Helgeson, *Biostatistics,* Nonparametric Methods for Machine Learning and Association Testing. Professor Eric Bair.

Brendan David Hendrick, *School Psychology,* Examining Longitudinal Change in Student Talk in Small-Group Literature Discussions. Professors Jeffrey Green and Rune Simeonsson.

Jennifer Kathryn Heppert, *Biology,* Investigating Mechanisms of Mitotic Spindle Positioning. Professor Robert Goldstein.

Laura Leigh Hester, *Epidemiology,* Patterns and Prediction of Competing Causes of Mortality in Older Adults Diagnosed With Indolent Non-Hodgkin Lymphoma. Professor Jennifer Lund.

Paul Michael Himes, *Pharmaceutical Sciences,* Studies Toward Understanding the Biosynthesis of Sactipeptides and the Creation of Peptide Natural Product Libraries Through mRNA Display. Professor Albert Bowers.

Caddy Noahl Hobbs, *Chemistry,* Multimodal Sensing for Oxygen and Neurotransmitters in the Deep Brain. Professor R. Mark Wightman.

Adam Jernstedt Hoffman, *Psychology,* Promoting STEM Motivation in American Indian Adolescents: An Intervention. Professor Beth Kurtz-Costes.

Cynthia Hogan, *Religious Studies,* The Art of Religion: Aestheticizing Christian, Jewish and Muslim Religious Artifacts. Professor Randall Styers.

Amy Nicole Huber, *Epidemiology,* Neighborhood-Level Determinants of HIV and Chronic Disease Comorbidity in a South African Urban Informal Settlement. Professor Allison Aiello.

Atiya Fatima Husain, *Sociology,* Beyond and Back to the Black-White Binary: Muslims and Race-Making in the United States. Professor Karolyn Tyson.

Ryan Jane Jacoby, *Psychology,* A Translational Study of the Mechanisms of Exposure Therapy for Obsessions: Gradual vs. Variable Exposure Intensity. Professor Jonathan Abramowitz.

Apoorva Jain, *Economics,* Labor Market Assimilation of Immigrants. Professor Klara Peter.

Mark Janko, *Geography,* Challenges to Malaria Control in the Democratic Republic of Congo and Beyond. Professor Michael Emch.

Prahlad Jat, *Environmental Sciences and Engineering,* Geostatistical Estimation of Water Quality Using River and Flow Covariance Models. Professor Marc Serre.

Jayne Jeffries, *Health Behavior,* Weight Gain Prevention in Young Adults: Predictors of Weight Change and Behavioral Typologies. Professor Leslie Lytle.

Cassandra Johnson, *Nutrition,* Understanding How Severity of Food Insecurity Relates to Dietary and Health Outcomes in Women. Professor Alice Ammerman.

Justin Allen Johnson, *Chemistry,* Improving Signal Identification for Fast-Scan Cyclic Voltammetry. Professors R. Mark Wightman and Matthew Lockett.

Meredith Jones, *Education,* Head Start Fathers' Perceptions of Father Engagement. Professor Harriet Able.

Jonathan Keeney, *Business Administration,* You Can't Yell "Timber!" If You Don't See the Falling Tree: Harnessing Construal Level Theory to Promote the Ethical Framing of Safety Performance. Professor David Hofmann.

Mary Allison Kelly, *Chemistry,* Fundamental Studies of Ternary Blends for Bulk Heterojunction Solar Cells. Professor Wei You.

Leslie Michele Kennedy, *Biology,* The TBX20-CASZ1 Interaction Provides Mechanistic Insight for Dilated Cardiomyopathy Pathogenesis. Professor Frank Conlon.

Junghyun Kim, *Pharmaceutical Sciences,* Neutron-Activation of Material Matrices for Producing Therapeutic Radionuclides. Professor Michael Jay.

Steven Jae Doo Kim, *Oral and Craniofacial Biomedicine,* Functional Analysis of Rs3811046 And Rs3811047 Variants in Caucasians. Professor Steven Offenbacher.

Matthew Robert Kita, *Chemistry,* Cation Tunable Reactivity and Catalysis With Iridium Pincer-Crown Ether Complexes. Professor Alexander Miller.

Hyeong-Tak Lee, *Business Administration,* Essays on Extended Warranties for Durable Goods. Professor Sriram Venkataraman.

Hyun Seok Lee, *Business Administration,* Essays on Retail Operations Management. Professor Saravanan Kesavan.

Jennifer Lee, *Epidemiology,* Mortality and Cancer Risk in HIV Patients With Incomplete Viral Suppression After Antiretroviral Therapy Initiation. Professor Stephen Cole.

Tae Ho Lee, *Mass Communication,* CSR Disclosure in Three Market Economies: A Longitudinal Content Analysis of the Manifestation of Ethics, the Coverage of Stakeholders, the Transparency of Information and the CSR Themes From an Institutional Perspective. Professor Daniel Riffe.

Chunxiao Li, *Economics,* Three Essays in Applied Microeconomics. Professor Donna Gilleskie.

Ching-Ching Lin, *Health Policy and Management,* The Effect of Mental Health Specialist Use on Healthcare Utilization of Adults With Co-Occurring Diabetes and Depression. Professor Marisa Domino.

Yanchun Ling, *Materials Science,* An NMR Study of Supercooled Water Under Nanoconfinement by Hydrophobic Surfaces. Professors Yue Wu and Sean Washburn.

Taylor Anne Livingston, *Anthropology,* Social Medicine: Prenatal Care in a Group Setting. Professor Karla Slocum.

Erin Cooke Long, *Business Administration,* What Makes Us Mindful and Why Does It Matter? Relationships Among Meaningfulness, State Mindfulness and Counterproductive Work Behavior. Professor Michael Christian.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Bianca Elena Lopez, *Ecology,* The Effects of Urbanization on Riparian Forest Plant Communities in the Research Triangle Area of North Carolina. Professor Peter White.

Leonard Jay Lowe, *Religious Studies,* After God is Music: Affliction, Healing and Warfare in Haitian Pentecostalism. Professor Todd Ramon Ochoa.

William Mackay, *Chemistry,* Novel Applications of Donor-Acceptor Cyclopropanes and Dearomatization Towards the Expedient Synthesis of Highly Substituted Carbocycles. Professor Jeffrey Johnson.

Stephanie Mahin, *Mass Communication,* Public Relations Practitioner Assessments of the Role Engagement Plays in Organization to Public Relationships. Professor Lois Boynton.

Tamar Malloy, *Political Science,* Respectable Discrimination: Disciplinary Respectability as Acceptable Prejudice. Professor Jeff Spinner-Halev.

Laura Heisner Marshall, *Mass Communication,* Understanding Health Care Reform in Comments Sections of Online News Sites. Professor Maria Comello.

Patrick Charles McCarter, *Bioinformatics and Computational Biology,* Toward a Comprehensive Model of Yeast Stress Response Pathway. Professors Laura Miller and Timothy Elston.

Michael Meers, *Genetics and Molecular Biology,* Using Histone Replacement to Study the Roles of H3K36 in Regulation of Gene Expression and RNA Processing. Professor Arnold Matera.

Allison Tracy Meyer, *Psychology,* Developmental Trajectories of Autism Spectrum Disorder Symptoms in At-Risk Toddlers. Professors Laura Klinger and Lauren Turner-Brown.

Matthew Benjamin Mier, *School Psychology,* A Study of the Relationship Between Quality of PBIS Implementation, School Context, and Academic and Behavioral Outcomes. Professor Rune Simeonsson.

Gandarvaka Loka Miles, *Epidemiology,* Life Course Neighborhood Poverty Experiences and the Risk of Obesity in Adulthood. Professor Anna Maria Siega-Riz.

Terrell Morton, *Education,* BlackGirlMagic: The Influence of Identity Expression on STEM Identity and Retention for Black Females in Undergraduate Research Experiences. Professor Eileen Parsons.

Brandon Scott Moyer, *Chemistry,* Catalytic Stereoselective Installation of Boron via C–C Bond Formation and Stereoselective Synthesis of N-Heterocyclic Scaffolds via Main Group Lewis Acid Catalysis, Professors Michel Gagné and Simon Meek.

Charles Muiruri, *Health Policy and Management,* Quality of Cardiovascular Disease Prevention for People Living With HIV. Professor John Paul.

Isaac Michael Nault, *Mathematics,* Continuum-Kinetic Models and Numerical Methods for Multiphase Applications. Professor Sorin Mitran.

Rachel Charlotte Nethery, *Biostatistics,* Special Topics in Latent Variable Models With Spatially and Temporally Correlated Latent Variables. Professor Young Truong.

Leah Margarita Norona, *Toxicology,* Temporal Characterization of a Three-Dimensional Bioprinted Model Provides New Insight Into Early Events Underlying Compound-Induced Fibrotic Liver Injury. Professors Paul Watkins and William Coleman.

Jennifer Elizabeth O'Brien, *Social Work,* Risk Factors, Protective Factors and Identification Practices for System-Involved Domestic Minor Sex Trafficking Survivors. Professor Rebecca Macy.

Damon Floyd Ogburn, *Epidemiology,* Entry into HIV Medical Care, Receipt of Case Management Services, Depression and ART Adherence Among Adults With HIV in North Carolina. Professor Victor Schoenbach.

Michelle Palacios, *Microbiology and Immunology,* Identification of Conserved Klebsiella pneumoniae Virulence Factors. Professor Virginia Miller.

Katherine Aidan Perkins, *Psychology,* Educational Attainment Expectations, Perceptions of Adult Social Support at School, and Perceptions of Barriers: School-Based Pathways to Educational Success Among Black Youth. Professor Beth Kurtz-Costes.

Christopher Pinion, *Chemistry,* Understanding the Vapor-Liquid-Solid and Vapor-Solid-Solid Mechanisms of Si Nanowire Growth to Synthetically Encode Precise Nanoscale Morphology. Professor James Cahoon.

Jamaal Erving Pitt, *Philosophy,* Public Justification and Public Education: An Integral Connection. Professor Gerald Postema.

Jennifer Rebeles, *Nutrition,* Influenza-Specific T Cell Memory: Influence of Obesity, Weight Loss, Weight Gain. Professor Melinda Beck.

Sarah Whitney Renner, *Genetics and Molecular Biology,* Metabolic Characterization of Mice Lacking Carbonic Anhydrase III. Professor Jay Brenman.

Evan Walter Reynolds, *Chemistry,* Expanding the Chemical Functionality of the Cell With Orthogonal Enzyme/Cofactor Pairs. Professor Eric Brustad.

Nathan Thomas Rodeberg, *Chemistry,* Improving the Collection and Calibration of Voltammetric Measurements of Striatal Dopamine Release. Professor R. Mark Wightman.

Emily Rossi, *Nutrition,* Breaking the Obesity-Breast Cancer Link: The Roles of Inflammation and Epigenetic Reprogramming. Professor Stephen Hursting.

Eric Rubenstein, *Epidemiology,* The Broader Autism Phenotype in Parents of Children With Autism Spectrum Disorder: Implications for the Diagnostic Process and Relationship to Child Autism Spectrum Disorder Phenotype. Professor Julie Daniels.

Zena Ryder, *Philosophy,* Spare the Rod, the Time-Out and Every Other Kind of Childhood Punishment Too: Why Parents Ought Not to Punish Their Children. Professors Geoffrey Sayre-McCord and William Lycan.

Sean Sanders, *Computer Science,* Techniques for the Analysis of Modern Web Page Traffic Using Anonymized TCP/IP Headers. Professor Jasleen Kaur.

Philip Sandick, *English and Comparative Literature,* Bits Creating Bonds: Lore as a Form of History in Creating Writing and Composition Pedagogy. Professors Daniel Anderson and Jordynn Jack.

Carl Schissler, *Computer Science,* Efficient Interactive Sound Propagation in Dynamic Environments. Professor Dinesh Manocha.

Parth Dilip Shah, *Health Behavior,* The Role of Pharmacy in HPV Vaccination of U.S. Adolescents. Professor Noel Brewer.

Benjamin Eric Shanks, *Physics,* High-Precision Modeling of Germanium Detector Waveforms Using Bayesian Machine Learning. Professor John Wilkerson.

Brad Shrago, *Economics,* Fuel Price Beliefs and the Consumer Response to Price Fluctuations: The Choice Between Gasoline and Diesel Vehicles. Professor Brian McManus.

Jennah Michelle Sontag, *Mass Communication,* The Effectiveness of Visual and Text Frames in Health Communication. Professors Allison Lazard and Seth Noar.

Marie Stoner, *Epidemiology,* The Influence of School Attendance on Partner Selection and Sexually Transmitted Infections Among Young South African Women. Professor Audrey Pettifor.

Loren Wright Thompson, *School Psychology,* Perceptions of Stereotype Vulnerability, Belonging and Campus Climate by African Americans Attending a Predominately White Institution. Professor Rune Simeonsson.

Gina Lauren Tripicchio, *Nutrition,* Family-Based Treatment of Pediatric Obesity in Low-Income Minority Youth: Strategies, Outcomes and Novel Predictors of Success. Professor Alice Ammerman.

Emily Vardell, *Information and Library Science,* Health Insurance Literacy: How People Understand and Make Health Insurance Purchase Decisions. Professor Claudia Gollop.

Vidya Venkataramanan, *Environmental Sciences and Engineering,* One Size Does Not Fit All: Analyzing Variations in the Implementation of Community-Led Total Sanitation. Professor Jamie Bartram.

Nadja Alexandra Vielot, *Epidemiology,* Patterns of Use and Safety of Human Papillomavirus Vaccines Among Adolescents in the United States. Professor Jennifer Smith.

Thomas Jordan Walter, *Pharmacology,* Ethanol and Microglia: From Molecules to Behavior. Professor Fulton Crews.

David Christopher Webb, *Mathematics,* A Two-Dimensional Dirac System and Envelope Solutions to the Nonlinear Schrödinger Equation. Professor Jeremy Marzuola.

Joshua Welch, *Computer Science,* Computational Methods for Inferring Transcriptome Dynamics. Professor Jan Prins.

Lindsay Almquist Williams, *Epidemiology,* Integrated Molecular and Histologic Subtypes in Breast Cancer Risk and Survival. Professors Melissa Troester and Hazel Nichols.

Tedd Alexander Wimperis, *Classics,* Cultural Memory and Constructed Ethnicity in Vergil's Aeneid. Professors James O'Hara and James Rives.

Heather Suzanne Woods, *Communication Studies,* (Re)Imagining the Techno-Body: Artificial Intelligence, Embodiment and the Technological Future. Professor Kumarini Silva.

Latasha Stanback Woods, *School Psychology,* Interactive Book Reading: Promoting Emergent Literacy Skills in Preschool Children Through a Parent Training Program. Professors Steven Knotek and Kylee Miller.

Christopher John Wretman, *Social Work,* Physical Activity Participation in Kindergarten and Children's Cognitive and Academic Ability. Professor Michael Lambert.

Willie Jamaal Wright, *Geography,* "Free the Land!": Exploring the Spatial and Political Legacies of the Republic of New Afrika in Detroit, Michigan and Jackson, Mississippi. Professors Altha Cravey and Alvaro Reyes.

Gongting Wu, *Physics,* Image Reconstruction and Processing for Stationary Digital Tomosynthesis Systems. Professors Jianping Lu and Otto Zhou.

Lu Wu, *Mass Communication,* Meet the New Players: A Study of Digital Native Journalists and Journalistic Professionalism. Professor Daniel Riffe.

Pei-Ying Wu, *Education,* Continuity and Change in Cultural Models of Teaching: Transnational Chinese Teachers in U.S. Early Childhood Classrooms. Professor Rebecca New.

Shiyou Wu, *Social Work,* Welfare Participation and Depression Among Youth and Young Adults in the United States and China. Professor Mark Fraser.

Xiao Yang, *Computer Science,* Uncertainty Quantification, Image Synthesis and Deformation Prediction for Image Registration. Professor Marc Niethammer.

Bryanne Huston Young, *Communication Studies,* Killing the Indian in the Child: Materialities of Death and Political Formations of Life in the Canadian Indian Residential School System. Professor Della Pollock.

Yang Yu, *Statistics and Operations Research,* Advanced Statistical Models for Imaging and Genetic Data. Professors James Marron and Hongtu Zhu.

Dongfen Yuan, *Pharmaceutical Sciences,* Delivery of Therapeutic Proteins to the Brain. Professor Alexander Kabanov.

Joseph Walter Zabinski, *Environmental Sciences and Engineering,* Advancing Environmental Human Health Risk Assessment through Bayesian Network Analysis. Professor Jacqueline MacDonald Gibson.

Le Zhang, *Materials Science,* Temperature Dependence of the Chemical Shift of Lipid-Dissolved 129Xe and Its Applications in MR Thermometry. Professors Rosa Tamara Branca and Sean Washburn.

Qianqian Zhang, *Chemistry,* Design and Synthesis of Conjugated Polymers for Organic Photovoltaics: Tuning the Conjugated Backbone and the Substituents. Professor Wei You.

Qingyu Zhao, *Computer Science,* Surface Registration for Pharyngeal Radiation Treatment Planning. Professor Stephen Pizer.

DOCTOR OF EDUCATION

Katherine Ann Grace Baker, *Curriculum and Instruction,* Characterizing and Facilitating Prospective Teachers' Engagement With Student Thinking About Fractions. Professor Susan Friel.

Elizabeth Cynthia Barrow, *Curriculum and Instruction,* How Do Pre-Service Teachers Understand Intercultural Competence During A Short-Term Student Teaching Abroad Program? An Exploratory, Collective Case Study. Professor Xue Rong.

Mariah Smith Murrell, *Curriculum and Instruction,* Black World Language Instructors in Higher Education: Social Justice-Based Perspectives and Pedagogies. Professor Xue Rong.

Daniel Charles Sturdevant, *Educational Leadership,* A Measurement of Charter School Efficiency in North Carolina Utilizing Modified Quadriform Analysis. Professor Eric Houck.

DOCTOR OF NURSING PRACTICE

Virginia Baity Ervin, *Nursing Practice,* Focus Group Findings to Inform an Educational Program for Nurse Practitioner Entrepreneurs. Professor SeonAe Yeo.

Robyn Jean Wood, *Nursing Practice,* Conducting a Pre-Implementation Assessment of Maternal Infant Early Childhood Home Visiting Services for Orange County, North Carolina. Professor Shawn Kneipp.

DOCTOR OF PUBLIC HEALTH

Douglas James Ball, *Health Leadership,* Medical Benefit of Preemptive Reporting of Pharmacogenomic Information From Whole Exome Sequencing. Professor Jim Porto.

GRADUATE DEGREES

December 2017 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Saada Salim Al-Barwani, *Nursing,* Employing the Theory of Planned Behavior to Predict Breastfeeding Intention and Intensity in Oman. Professor Eric Hodges.

Candice Lynette Alick, *Nutrition,* The Effect of TEAM (Together Eating and Activity Matters) Intervention on Weight Loss Among Black Men. Professor Deborah F. Tate.

Gabriela Arandia, *Health Behavior,* Understanding Relationships Between Child Care Workers' Eating Habits and Spatial Access to Food Outlets Around Workers' Homes, Workplaces and Along Commutes. Professor Laura A. Linnan.

Magdalene Marie Assimon, *Epidemiology,* Investigating the Longitudinal Patterns of Use and Comparative Effectiveness of Beta Blocker Therapy in the Hemodialysis Population. Professor M. Alan Brookhart.

Stefanie Ann Baril, *Chemistry,* Applications of Unnatural Amino Acid Mutagenesis for Biocatalysis and Molecular Recognition. Professor Eric M. Brustad.

Aniket Bera, *Computer Science,* Interactive Tracking, Prediction and Behavior Learning of Pedestrians in Dense Crowds. Professor Dinesh Manocha.

Loneke Tafewa Blackman Carr, *Nutrition,* Examining the Effectiveness of Behavioral Weight Loss Interventions Among African American Women. Professor Deborah F. Tate.

Rachel Marie Bleich, *Pharmaceutical Sciences,* Bacillus as a Heterologous Platform for Peptide Drug Discovery. Professor Albert Bowers.

Cameron James Bloomquist, *Pharmaceutical Sciences,* Continuous Liquid Interface Production of Medical Devices for Drug Delivery and Cancer Therapy. Professor Joseph M. DeSimone.

Morgan McNeil Brady, *Genetics and Molecular Biology,* Meiotic Crossover Patterning in the Absence of ATR. Professors Jeff Sekelsy and Dale Ramsden.

Andrew Paul Brna, *Biomedical Engineering,* Spatiotemporal Response Dynamics of Cortical Neuron Populations in Rat Somatosensory Cortex. Professor Oleg Favorov.

Alexis Aubree Bryson, *Communication Studies,* Review Culture and the Growing Significance of Customer Evaluation in Service Work: A Qualitative Study of Real Estate Brokers and Their Work. Professor Sarah Dempsey.

Kevin Matthew Byrd, *Oral and Craniofacial Biomedicine,* How to Make a Mouth: Oral Epithelia Require Locoregional Mitotic Diversity in Morphogenesis and in Maintenance. Professor Scott Williams.

Marissa Lynn Cann, *Pharmacology,* Identifying Therapeutic Agents for the Treatment of Diffuse Large B-Cell Lymphoma. Professor David Lawrence.

Maren Ettinger Cannon, *Genetics and Molecular Biology,* Characterizing Cardiometabolic GWAS Loci With Regulatory Annotation, Regulatory Assays, Trans-Ancestry Fine-Mapping, and Open Chromatin Profiling. Professor Karen Mohlke.

Cassie Caudill, *Pharmaceutical Sciences,* Engineering Microneedles for the Transdermal Delivery of Therapeutics. Professor Joseph DeSimone.

Christopher Martin Caver, *Political Science,* Finding a Home in the World: Hannah Arendt and the Principles of Political Love. Professor Stephen Leonard.

Michael David Clark, *Human Movement Science,* Repetitive Head Trauma in Early Cognitive and Behavioral Decline and Frontolimbic Dysfunction. Professor Kevin Guskiewicz.

Erica Cloer, *Cell Biology and Physiology,* Molecular Mechanisms of Patient-Derived KEAP1 Superbinder Mutants. Professor Michael Ben Major.

Mitchell Mark Conover, *Epidemiology,* Methods for Classifying Patient Histories in Secondary Healthcare Data. Professor Michele Jonsson Funk.

Daniela Cunico Dal Pra, *Romance Languages and Literatures,* At the Crossroads of Identity: The Migration Cinema of the Triveneto. Professor Federico Luisetti.

Heather Kaye Decot, *Neuroscience,* Dopamine-Mediated Alterations in Brain-Wide Functional Dynamics Measured by fMRI. Professor Garret D. Stuber.

Brian Nicholas DiMarco, *Chemistry,* Electron Transfer Reactions at Sensitized Nanocrystalline Metal Oxide Interfaces. Professor Gerald Meyer.

Mary Elizabeth Domenico, *Communication Studies,* The Spirit of Transformation Politics: Human Nature, Communication and Community. Professor Christian Lundberg.

Ann Lynette Emery, *Genetics and Molecular Biology,* Regulation of HIV-1 Splicing. Professor Ronald Swanstrom.

Fei Gao, *Biostatistics,* Semiparametric Regression Analysis of Right- and Interval-Censored Data. Professors Donglin Zeng and Danyu Lin.

Tianxiang Gao, *Computer Science,* Extracting Information From Deep Learning Models for Computational Biology. Professor Vladimir Jojic.

Hatice Arzu Ghulamani, *Education,* Exploring Family-Centered and Socioculturally Responsive Practices in Early Childhood Providers' Self-Identified Dilemmas of Practice. Professor Harriet Able.

Mrudula Borse Glassberg, *Pharmaceutical Sciences,* Comparative Effectiveness and Safety of Anticoagulants in the Prevention of Venous Thromboembolism in Elective Hip and Knee Replacement Surgery Patients. Professors Joel Farley and Stacie Dusetzina.

Andrew Curtis Graczyk, *Economics,* Housing Bubbles and Income Inequality. Professor Anusha Chari.

Ann Elizabeth Halbert-Brooks, *History,* An Army of Teachers: Cuban Women in Political Education, From the Literacy Campaign to Yo Sí Puedo. Professor Louis A. Perez Jr.

Fletcher William Halliday, *Biology,* The Community Ecology of Plant Parasites: From Coinfections to Metacommunities. Professor Charles E. Mitchell.

Cassandra Kay Hayne, *Biochemistry and Biophysics,* Biochemical Characterization of Lipoprotein Lipase. Professor Saskia Neher.

Kati Lynn Healey, *Psychology,* An Examination of D-Serine Augmentation on the Behavioral and Cellular Mechanisms of Cocaine Seeking. Professor Kathryn J. Reissner.

Andres Ruben Henriquez Coria, *Toxicology,* Ozone-Induced Lung Injury and Inflammation are Modulated by Circulating Stress Hormones. Professor Urmila Kodavanti.

Victor Heorhiadi, *Computer Science,* Expression and Composition of Optimization-Based Applications for Software-Defined Networking. Professor Michael Reiter.

Michael Dean Hoffman, *Physics,* Thermodynamics of One-Dimensional Many-Flavor Fermions at Finite Temperature: Density, Pressure, Compressibility and Contact. Professor Joaquin Drut.

Matthew Allan Horwitz, *Chemistry,* Complexity-Building Transformations Enabled by Bronsted Base Organocatalysis and Progress Toward the Total Synthesis of the Veratrum Alkaloids Jervine, Cyclopamine and Veratramine. Professor Jeffrey S. Johnson.

Kelly Marie Houck, *Anthropology,* Early Life Effects of a Dual Burden Environment: Childhood Intestinal Health and Immune Function in Galapagos, Ecuador. Professors Amanda Thompson and Mark Sorensen.

Aleksandra Eva Jakubowski, *Health Policy and Management,* Impact of Large-Scale Health Interventions on Population Health, Economic Functioning and Investments in Human Capital in Sub-Saharan Africa. Professor Harsha Thirumurthy.

Shaili Chaitanya Jha, *Neuroscience,* Environmental and Genetic Influences on Infant Cortical Thickness and Surface Area. Professor Rebecca Knickmeyer.

Dinghuang Ji, *Computer Science,* Data-Driven 3D Reconstruction and View Synthesis of Dynamic Scene Elements. Professor Jan-Michael Frahm.

Christopher Michael Jones, *Geography,* Long-Term Impacts of Sudden Oak Death and Interactions With Fire in Big Sur, Calif., Using Coupled Dynamic Spatial Temporal Epidemiological Modeling. Professor Aaron Moody.

Meghan Elizabeth Jones, *Psychology,* The Role of Hippocampal Neural Immune Signaling in Stress-Enhanced Fear Learning: Implications for Post-Traumatic Stress Disorder. Professor Donald T. Lysle.

Prcctesh Anand Kantak, *Business Administration,* Asset Prices, Local Prospects and the Geography of Housing Dynamics. Professor Riccardo Colacito.

Richard Lambert III, *German Studies,* In Search of Lost Experience: Hermann Broch, Robert Musil and the Novels of Interwar Vienna. Professor Richard Langston.

Thomas Richard Lane, *Biochemistry and Biophysics,* The Structure of the EF-Hand-GAR Module of ACF7 and the Delineation of Microtubule-Binding Determinants. Professor Kevin Slep.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Katherine Lansu, *Pharmacology,* Ligand Discovery and Functional Characterization of MRGPRX Family Orphan GPCRs. Professors Bryan Roth and Robert Nicholas.

Emily Learner, *Epidemiology,* Examining Long-Term Chlamydia Prevalence and Case Rate Trends Among Young Adults in the United States. Professor William Miller.

Yunxiao Liu, *Statistics and Operations Research,* Semiparametric Inference for Integrated Volatility Functionals Using High-Frequency Financial Data. Professors George Tauchen and Chuanshu Ji.

Brettania Lorraine Lopes, *Epidemiology,* Initiation, Retention and Survival in HIV Clinical Care: Effect of Residence. Professor Sonia Napravnik.

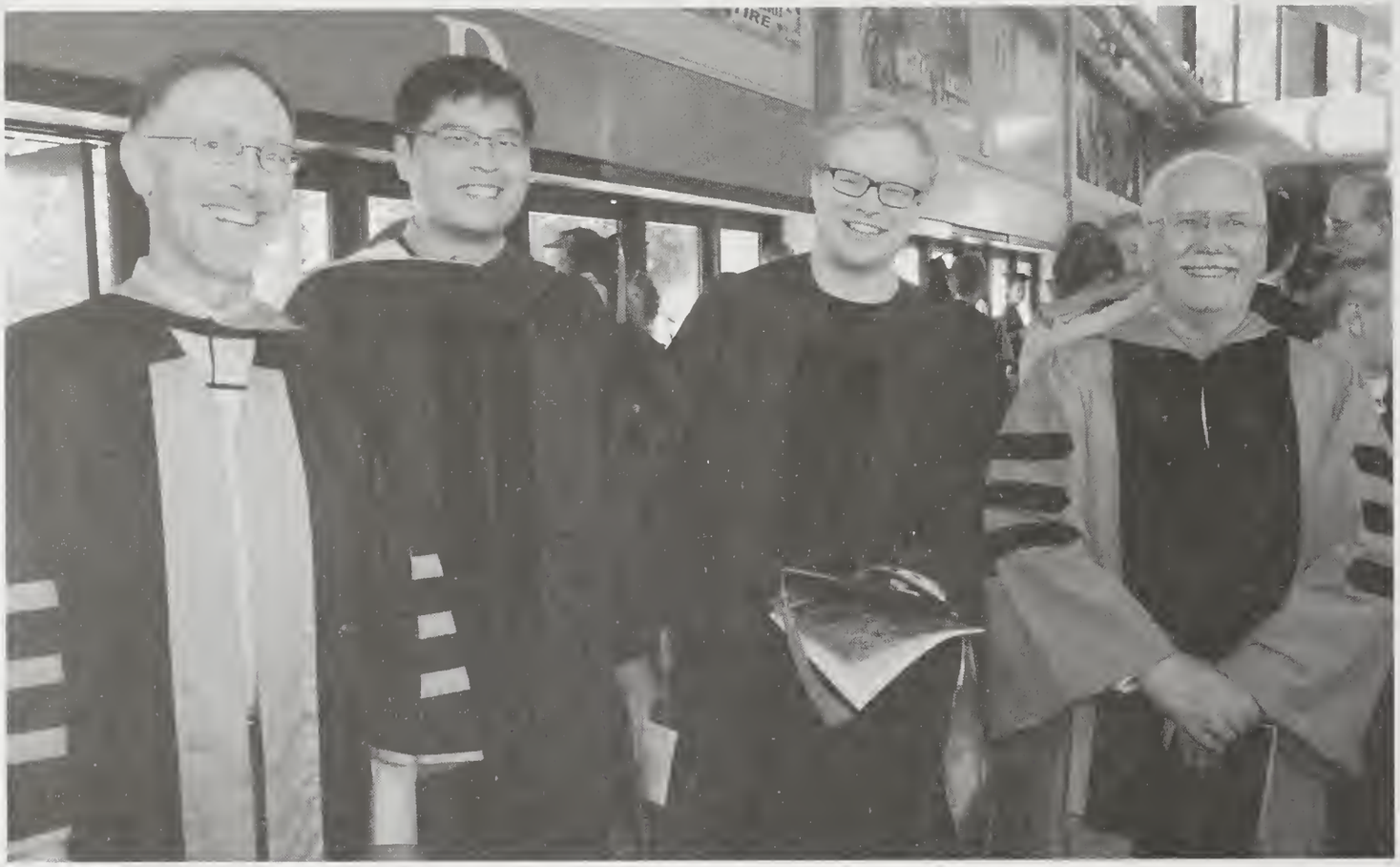
Daniel Benjamin Lunn, *Chemistry,* Porous Graphitic Carbon for Separations of Metabolites. Professor James Jorgenson.

Vivien Ileana Maltez, *Microbiology and Immunology,* Inflammasomes and Cytotoxic Lymphocytes Clear Bacteria From Different Intracellular Niches. Professor Edward Miao.

Brooke Campbell Matson, *Cell Biology and Physiology,* Molecular Regulators of Embryo Implantation and Pregnancy. Professor Kathleen M. Caron.

Stephanie Lynn Mazzucca, *Nutrition,* Physical Activity and Sedentary Behavior in Early Care and Education Centers: Identifying Opportunities and Testing Strategies to Support Active Classroom Environments. Professor Dianne Stanton Ward.

Yu Meng, *Computer Science,* Computational Cortical Surface Analysis for Study of Early Brain Development. Professors Dinggang Shen and Marc Niethammer.



Eliot Stephen Meyer, *Environmental Sciences and Engineering,* Managing the Financial Risk of Variable Water Levels in the Great Lakes. Professor Gregory Characklis.

Samuel Alan Miller, *Mathematics,* Relating Holomorphic Bundles on the Second Hirzebruch Surface to Equivariant Instantons on the Total Space of O(-1). Professor Justin Sawon.

Taylor Moot, *Chemistry,* Probing the Metal Oxide Local Environment for Thermochromic and Photovoltaic Applications. Professor James Cahoon.

Jennifer Morgan, *Health Behavior,* Social Interactions About Pictorial Cigarette Pack Warnings. Professor Noel Brewer.

Rebecca Naumann, *Epidemiology,* Assessing Sustained and Differential Impacts of North Carolina's Medicaid "Lock-In" Program. Professor Stephen Marshall.

Nadia Lan Quyen Nguyen, *Epidemiology,* Sexual Partner Type and Risk of Incident HIV Infection Among Adolescent Girls and Young Women in Rural South Africa. Professor Audrey Pettifor.

John Joseph Noto, *Genetics and Molecular Biology,* Endogenous and Engineered Expression of tRNA Intron-Derived Circular RNAs. Professor Greg Matera.

Kevin Olson, *Chemistry,* Nonflammable Perfluoropolyether Electrolytes for Safer Lithium-Based Batteries. Professor Joseph M. DeSimone.

Shaily Shashikant Patel, *Religious Studies,* Magical Practices and Discourses of Magic in Early Christian Traditions: Jesus, Peter and Paul. Professor Bart D. Ehrman.

Kristina Marie Patterson, *Public Policy,* Civic Identity, Civic Skills and Civic Knowledge: The Role of Adolescent School Experiences in Facilitating Civic Engagement in Adulthood. Professor Gary Henry.

Bryan Christopher Quach, *Bioinformatics and Computational Biology,* Computational Approaches to Studying Gene Regulation Using Chromatin Accessibility and Gene Expression Assays. Professor Terrence Furey.

Sarah Elisabeth Ramdeen, *Information and Library Science,* Information-Seeking Behavior of Geologists When Searching for Physical Samples. Professor Claudia Gollop.

Grayson Currie Rich, *Physics,* Measurement of Low-Energy Nuclear-Recoil Quenching Factors in CsI[Na] and Statistical Analysis of the First Observation of Coherent, Elastic Neutrino-Nucleus Scattering. Professor P.S. Barbeau.

Peter Samuel Samai, *Epidemiology,* Adult Changes in Weight and Physical Activity in Association With the Risk of Pancreatic Cancer: In the Vital Cohort. Professor Marilie Gammon.

Sarah Shelton, *Biomedical Engineering,* Evaluation of Early Tumor Angiogenesis Using Ultrasound Acoustic Angiography. Professor Paul A. Dayton.

Annette Rebecca Pomeroy Shores, *English and Comparative Literature,* Nautical Narratives in Anglo-Latin Hagiographies, ca. 700–1100. Professor Patrick P. O'Neill.

Rachel Kloss Silverman, *Biostatistics,* Methods for the Sequential Parallel Comparison Design. Professors Anastasia Ivanova and Jason Fine.

Harlyn Gynette Skinner, *Nutrition,* Personal Utility: Examining the Effects of Genomic Risk Knowledge on Motivation Toward Diet and Physical Activity Behavior Changes. Professor Alice Ammerman.

Kyle Patrick Slinker, *Physics,* Trumpet Initial Data for Highly Boosted Black Holes and High Energy Binaries. Professor Charles Evans.

Collin-Jamal Smith, *Microbiology and Immunology,* T Cells in the Pathogenesis of Spontaneous Autoimmune Peripheral Polyneuropathy. Professor Maureen A. Su.

Briana Joy Kennedy Stephenson, *Biostatistics,* Robust Clustering Methods With Subpopulation-Specific Deviations. Professor Amy Herring.

Dakota Suchyta, *Chemistry,* Synthesis and Anticancer Action of Nitric Oxide-Releasing Liposomes. Professor Mark Schoenfisch.

Yael Symes, *Health Behavior,* Smoking Cessation in Cancer Survivors: Exploring Psychosocial Wellbeing, Beliefs About Smoking and E-Cigarette Use. Professor Shelley Golden.

Samantha Tessel, *Ecology,* Dispersal Effects on Species Distribution and Diversity Across Multiple Scales in the Southern Appalachian Mixed Mesophytic Flora. Professor Peter S. White.

Sophia Tintori, *Biology,* The Initiation of Transcription and Gastrulation in the C. elegans Embryo. Professor Bob Goldstein.

Eleanna Martha Lyman Varangis, *Psychology,* Persistent Neurocognitive Effects of Concussion in Middle-Adulthood. Professors Kelly Giovanello and Kevin Guskiewicz.

Aminah Wali, *Genetics and Molecular Biology,* Biological Characterization of Chromatin-Targeted Small Molecules. Professor Ian J. Davis.

Jarod Michael Waybright, *Pharmaceutical Sciences,* A Chemical Biology Approach to Phosphoinositide Metabolic Analysis. Professor Qisheng Zhang.

Erin Michelle Wilson, *Pharmaceutical Sciences,* Developing PRINT® Dry Powders for Pulmonary Protein Delivery. Professor Joseph DeSimone.

Aaron Nicholas Winn, *Health Policy and Management,* The Impact of Market Structure on Oncology Care. Professor Stacie Dusetzina.

Jessica Lauren Wise, *Classics,* Gender, Rhetoric, Authority: Ovid's Fasti and Augustan Thought on Women. Professor Sharon James.

Kin Yau Wong, *Biostatistics,* Statistical Methods for Integrative Analysis of Multiple Types of Data. Professors Danyu Lin and Donglin Zeng.

Jenny Hang Yang, *Biostatistics,* Graphical Models for High Dimensional Data With Genomic Applications. Professor Wei Sun.

Qianwen Yin, *Computer Science,* TCP Rapid: From Theory to Practice. Professor Jasleen Kaur.

Jennifer Mary Yourkavitch, *Epidemiology,* The Influence of Regular Breast Milk Pumping in the Early Postpartum Period on Breastfeeding Duration and Achievement of Breastfeeding Intention Among Women in the U.S. Professor Whitney Robinson.

Scott Mackay Yourstone, *Bioinformatics and Computational Biology,* The Taxonomic and Functional Nature of Plant-Associated Microbiomes. Professor Jeff Dangl.

Siyun Yu, *Statistics and Operations Research,* Stochastic Models for Resource Allocation, Series Patients Scheduling and Investment Decisions. Professor Vidyadhar G. Kulkarni.

Bo Zhao, *Chemistry,* Development of NMR Methods for Characterizing Conformational Dynamics in RNA Folding and Catalysis. Professor Qi Zhang.

Katelyn Emily Zulauf, *Microbiology and Immunology,* The Role of SecA2 Protein Export in the Virulence of Mycobacterium Tuberculosis. Professor Miriam Braunstein.

DOCTOR OF EDUCATION

Son Young Esther Hahm, *Educational Leadership,* A Portrait of Two Public Charter Schools in Pursuit of Equity and Excellence. Professor Fenwick English.

Katrina Alicia Massey Cruz, *Educational Leadership,* Elementary Principals' Perceptions of Culturally Responsive Teaching Practices and the Identification of African American Students in Gifted Education Programs. Professor Fenwick English.

Deirdre Natasha Scott, *Educational Leadership,* A Mixed Methods Study of North Carolina Principals' Perceptions of the Roles of School Social Workers. Professor Fenwick English.

DOCTOR OF NURSING PRACTICE

Kimberly Bronson, *Nursing Practice,* Using Mindfulness to Decrease Burnout and Stress Among Nurses Working in High-Intensity Areas. Professor Cheryl Giscombe.

Lauren Renee Kennedy, *Nursing Practice,* An Educational Approach for Improving Health Literacy in Patients With Heart Failure. Professor Elaine Harwood.

Mandy King Marshburn, *Nursing Practice,* Helping Obese Pregnant Women Achieve Healthy Weight Gain: Is Provider Intervention Feasible? Professor Seonae Yoo.

Jemma Superville, *Nursing Practice,* Standardizing Nurse-to-Nurse Patient Handoffs in a Correctional Healthcare Setting: A Quality Improvement Project to Improve End-of-Shift Nurse-to-Nurse Communication using the SBAR I-5 Handoff Bundle. Professor Janna Dieckmann.

Susan Elizabeth Wilson, *Nursing Practice,* Implementation and Evaluation of Depression Improvement Program in Stroke Care (DIPS). Professor Mary Lynn Piven.

DOCTOR OF PUBLIC HEALTH

Monica Chaudhari, *Biostatistics,* Study Design and Methods for Evaluating Sustained Unresponsiveness to Peanut Sublingual Immunotherapy. Professor Michael Kosorok.

Bradley Saul, *Biostatistics,* Applications of and Tools for Causal Inference. Professor Michael Hudgens.

The School of Education

ESTABLISHED 1885

Dean Fouad Abd-el-Khalik

DOCTOR OF EDUCATION

Courtnee Danielle Cox, *Educational Leadership,* 2013 North Carolina Excellent Public Schools Act: How Do Teachers Respond? A Look at North Carolina's Traditionalistic Political Culture and Its Impact on Teacher Activism. Professor Catherine Marshall.

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during today's Doctoral Hooding ceremony.

DEGREE CANDIDATES' REGALIA. The hooded doctoral gown features three bars across each sleeve. The doctoral gown for Carolina graduates is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning. The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina. Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study.

The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

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Douglas S. Dibbert
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THE UNIVERSITY
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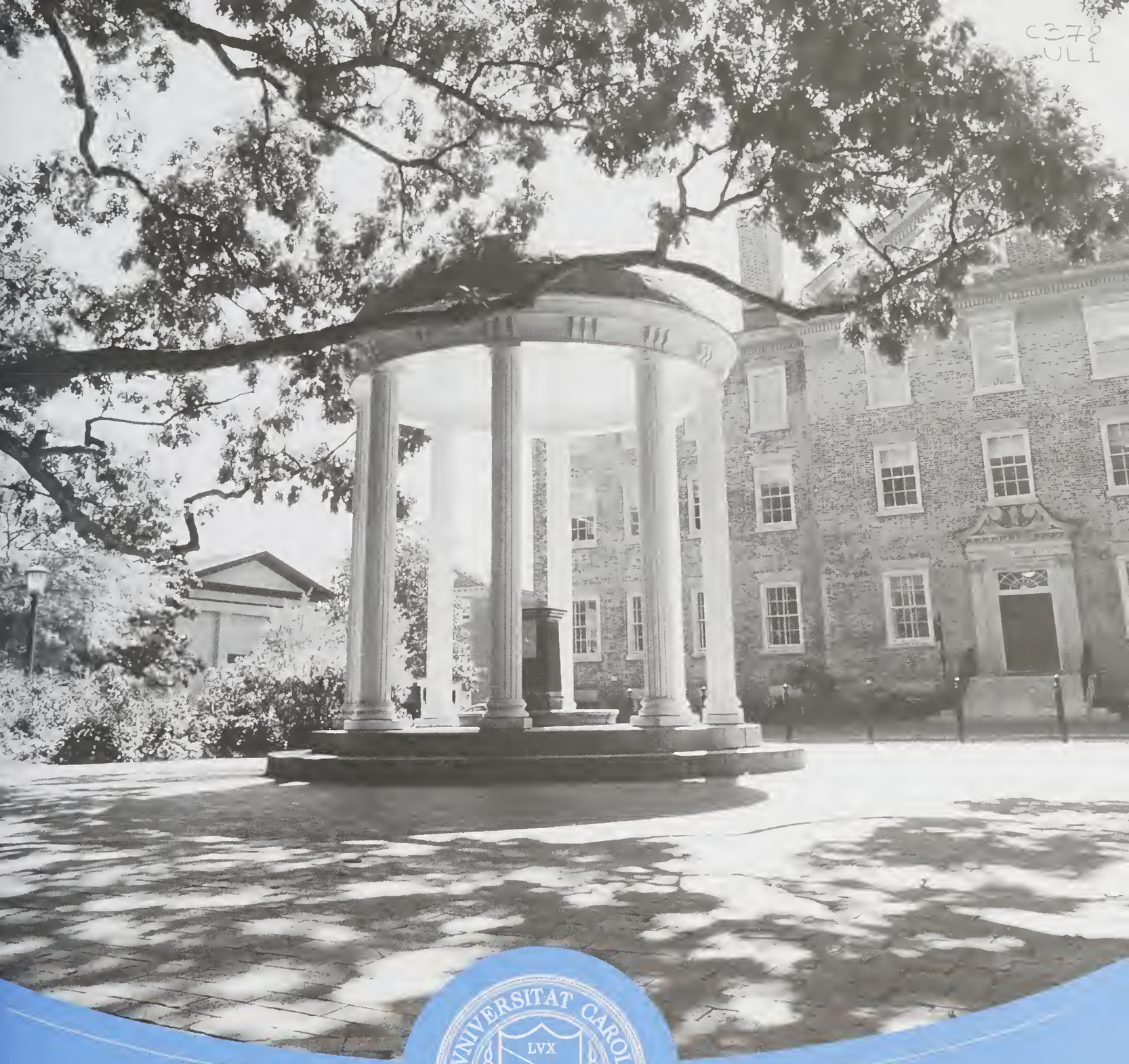

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

2018 COMMENCEMENT

SUNDAY, MAY 13TH • TWO THOUSAND EIGHTEEN

MESSAGE *from the* CHANCELLOR

Welcome to our Tar Heel graduation ceremony. Our undergraduate, graduate and professional students have accomplished so much during their years at Carolina. This is the moment we join as a community to celebrate their success.

Family members and friends, we thank you for giving us the opportunity to share your student's dreams and passions. Your example, support and encouragement – while instilling life lessons about the value of practice, patience and perseverance – brought them to this special moment in their lives.

Graduates, your personal drive and determination to understand, innovate and create – nurtured by faculty who believed in you and guided your studies – brought you to this point. An endearing quality of Carolina graduates is how they fearlessly confronted the thorniest problems of their age, and then relentlessly searched for answers and solutions that revolutionized their world. You are ready for this challenge.

I encourage you to remain connected to your Carolina family, a global network that will be by your side as you create unimaginable success across fields of endeavor that continue to evolve at an incomprehensible rate.

Congratulations! We look forward to learning about your accomplishments in the years ahead.

Carol L. Folt

CAROL L. FOLT

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ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

The Commencement ceremony will be captioned on the video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Diplomas for all undergraduate, doctor of pharmacy, juris doctor, master of science, and master of arts degrees are printed after graduation and will be mailed to graduates. All other professional and graduate diplomas will be available for distribution after Commencement, either by special arrangement at a departmental/school ceremony or from the University Registrar's Office in the Student and Academic Services Building (SASB) North, Suite 3100. Diplomas can be picked up there from 11:00 a.m. until 2:00 p.m. on Commencement Sunday and during regular business hours through May 31, after which all undistributed diplomas will be mailed to each graduate's home address as listed in ConnectCarolina.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Terry Rhodes, *Professor and Senior Associate Dean for Fine Arts and Humanities* Class of 2018 Officers The Chancellor's Cabinet Representatives of the Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health The Candidates for Master's and Professional Degrees The Candidates for Baccalaureate Degrees Fiftieth Reunion Participants The Official Party
	STUDENT MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
Presentation of the Colors	Cadets and Midshipmen of the Air Force, Army and Navy Reserve Officers Training Corps, *The University of North Carolina at Chapel Hill*
National Anthem	Luke Boehm, *Bachelor of Arts, Vocal Performance and Economics*
Recognition of the Platform Party	Carol L. Folt, *Chancellor*
Welcome	For The University of North Carolina System Margaret Spellings, *President* For the Board of Governors of The University of North Carolina W. Louis Bissette Jr., *Chair* *Presentation of the UNC Board of Governors' Award for Excellence in Teaching—* Jason Metcalfe, *Professor of Mathematics* For the Board of Trustees of The University of North Carolina at Chapel Hill Charles G. Duckett, *Vice Chair* For the General Alumni Association Jim Delany, *Chair of the Board of Directors*
Readings of Citations for Honorary Degrees	Vincas P. Steponaitis, *Professor of Archaeology and Anthropology and Secretary of the Faculty*
Commencement Address	Rye Barcott, *Class of 2001*
Introduction of the Deans and Conferring of Degrees	Carol L. Folt, *Chancellor*
Ceremonial Recognition of the Graduates	Karli Krasnipol, *President of the Class of 2018* Aaron Epps, *Vice President of the Class of 2018*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Carolina In My Mind	The Clef Hangers
Hark the Sound	Harmonyx
Recessional	

Officers of the Class of 2018

Karli Elizabeth Krasnipol, *President*
Aaron Eric Epps, *Vice President*
Kylie Apple, *Advisor*
Caroline Bowers '16, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Officers of the Class of 2019

Sean Michael Fassberg Kurz, *President*
Adina Girmay, *Vice President*
Kylie Apple, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Marshals of the Class of 2018

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Shaily N. Aghera
Jessica Tiffany Amberg
Catherine Michelle Armstrong
Arefa Bacchus
Cierra Alexandria Baldwin
Andrea Jacqueline Barnes
Cassidy Alexandra Beegle-Jackson
Morgan Elizabeth Bizzell
Jacob Taylor Blount
Christiana Louise Boals
Travis Benjamin Broadhurst
Kelly Patricia Campbell
Stevie Anissa Danielle Coleman
Abigail Deberry
Samantha Inez Espada
Joia Michelle Freeman
Ryan Chandler Fuller
Shawn Patrick Hines
Morgan Symone Howard
Elizabeth Kadic Hulme
Nupur Jain
Jacob L. Kerns
Sarah Leck
Tierra Monique Marsh
Adam Michael Miller
Erin Kelly Naziri
JaBria Chauntel Owens
Madison Ann Pleasants
Mel'leeah S. Robinson
Sonam Kamlesh Shah
Charles Devine Smith IV
Michael Andrew Tommer
Aliya E. Tucker
Marissa Brianna Varnadore
Myra Waheed
Samantha Leigh Wertheim
Ashley Chanel Westbrook
Gabrielle Celeste Whiten

Marshals of the Class of 2019

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Fatima Al-Kadhi
Kendall Marie Anderson
Sreya Atluri Atluri
Sara Barfield
Caroline Jackson Bass
Jordan Rose Bermudez
Alexander Paul Bianchi
Alexandra Lynn Braccia
Tia Devonne Byers
Benjamin Scott Campbell
Emily Rose Chavis
Sydney G. Cheek
Alexandra Ray Davis-Isaac
Aleksandra M. Daws
Marquise Deont'e Drayton
Wallace Mae Shell Driggers
Scott Emmons
Julian Andres Esain
Khushnood Faraz
Shenece K'Yana Ferguson
Nile Fisher
Clare Marie Gibbons
Amber Goodwin
Hannah Harrington Gray
Grayson I. Gruninger
Destiny April Guzman
Isabelle Priscilla Hirschy
Callie O'Quinn Hucks
Gabrielle Josephine James
Gabrielle Johnson
Rachael Nicole Johnson
Emma Josephine Karlok
Krista Lamonds
Madison Lindsay Langston
Qieara Nicole Lesesne
Edith Danzey Lindley
Hailey Nicole Mason
Sophia C. McFarlane
John Garrett Merville
Sidney Aleda Morris
Sidney Aleda Morris
Sebastian Brant Nabatoff
Bryanna Patterson
Mark Richard Petersen
Cassidy Taylor Pinyan
Jabril Rice
Elissa Marie Scherer
Michael Anthony Seethaler
Lauren Elizabeth Shumpert
Polly Kristine Sjoberg
Sarah Elizabeth Smith
Selwyn Alexis Southerland
Noaam Zahavi

Graduate and Professional Student Federation Officers, 2017–2018

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Brian Coussens, *Vice President*
Toney Thompson, *Chief of Staff*
Katharine Stember, *Chief of External Relations and Advocacy*
Manuel Hernandez, *Chief of the Exchequer*
Joanna Warren, *Executive Secretary*

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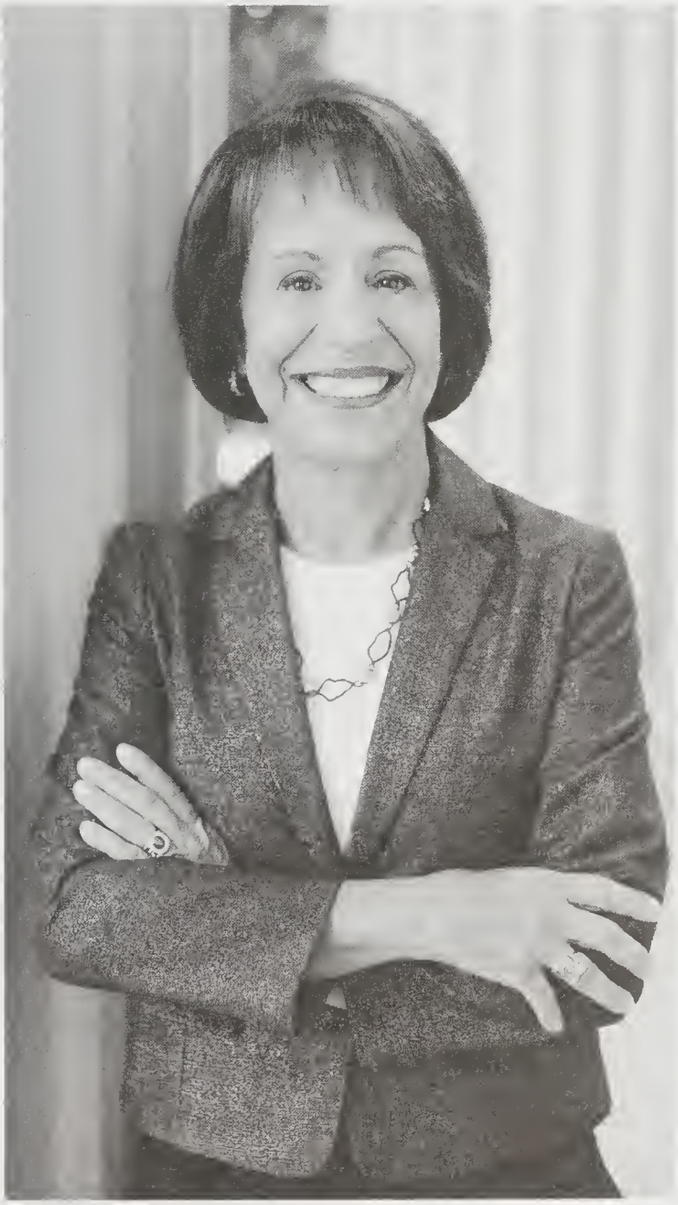
CAROL L. FOLT

Chancellor



When Carol L. Folt became Carolina's 11th chancellor, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt – an internationally recognized life scientist, award-winning teacher and accomplished academic leader – has worked to fulfill that charge by promoting student success, faculty excellence, experience-based learning and pioneering research.

Carolina, one of the nation's top ten research universities and ranked 6th in the nation in overall federal research, surpassed the $1 billion mark in annual research expenditures in 2017. During Folt's tenure, Carolina has demonstrated national leadership in areas ranging from access, affordability and diversity to retention and graduation rates, with a particular focus on low-income, first-generation and underrepresented students. Ranked as one of the best values in college education, Carolina is the least expensive of 14 peer public universities, and debt-per-student has remained nearly flat in inflation-adjusted dollars for more than a decade.

In the fall of 2017, Carolina launched the chancellor's strategic framework initiative. The Blueprint for Next outlines priorities to guide decision-making and investments during the next decade. Carolina also kicked off For All Kind: The Campaign for Carolina, the most ambitious fundraising campaign in Carolina's history. This effort carries with it the enormous responsibility to use every single dollar for the public good.

Inspired by the transformational impact that the arts made in her life, Folt initiated Arts Everywhere. At Carolina, Arts Everywhere celebrates the multifaceted power of the arts to illuminate the human condition, allow for reflection, promote dialogue and provoke action.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013 and served as a faculty member and academic leader. Folt graduated from the University of California, Santa Barbara, earning both a bachelor's degree in aquatic biology and a master's degree in biology. She received her doctorate from the University of California, Davis and undertook a postdoctoral fellowship at Michigan State University before joining the faculty at Dartmouth.

Follow @ChancellorFolt on Twitter and Instagram

The Commencement Speaker

RYE BARCOTT

Rye Barcott is a social entrepreneur and Marine Corps veteran who graduated from UNC in 2001 with bachelor's degrees in peace, war and defense, and international studies.

As an undergraduate and ROTC midshipman, Barcott co-founded Carolina for Kibera (CFK), a non-governmental organization that fights extreme poverty and violence in the Kibera slum of Nairobi, Kenya by investing in young leaders and deploying innovative public health. CFK is based at UNC's FedEx Global Education Center. The Gates Foundation and Time Magazine named it a "Hero of Global Health."

Barcott juxtaposed social enterprise and military service in a bestselling memoir, It Happened on the Way to War. Bono called the book "a wild ride," and the North Carolina Literary and Historical Association named it as the top nonfiction title of the year. The book has been part of high school and college summer reading programs across the country.

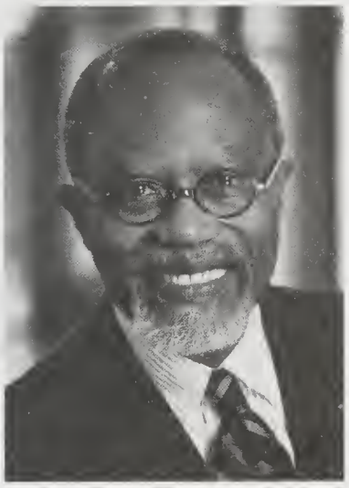
After active duty in the Marines, Barcott earned an MPA and MBA from Harvard, where he was a Center for Public Leadership Social Enterprise Fellow and served on the Harvard Endowment's Advisory Board on Shareholder Responsibility. He then returned to North Carolina and worked at Duke Energy before co-founding the clean energy investment firm Double Time Capital. Double Time played in integral role in North Carolina's rise to the number two solar state in the nation.

Barcott is currently co-founder and CEO of WithHonor.org, a new movement to build a cross-partisan coalition of post-9/11 veterans who can help fix our broken politics. He lives in Charlotte, N.C., with his wife, Dr. Tracy Barcott ('00), and their two children.

Honorary Degree Recipient

PHILLIP L. CLAY

DOCTOR OF LAWS



Phillip Leroy Clay is an eminent scholar of urban life who served as chancellor of the Massachusetts Institute of Technology. A native of Wilmington, N.C., he attended The University of North Carolina at Chapel Hill and graduated with honors in 1968. He went on to earn a doctorate in city planning at MIT in 1975, and joined that institution's faculty shortly thereafter. Rising through the ranks, he became head of the Department of Urban Studies and Planning in 1992, associate provost in 1994, and chancellor in 2001, a role in which he oversaw the institute's academic programs, student life, and research policy until 2011.

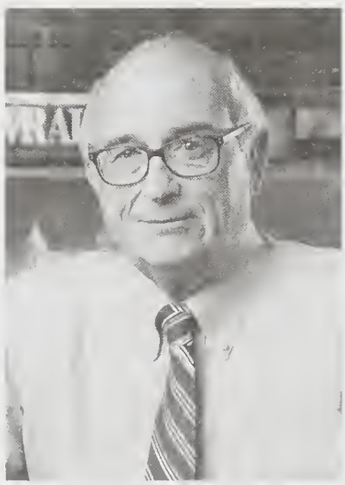
Clay is widely known for his work in housing policy and community development, particularly in the United States. In a pathbreaking 1987 study, he identified factors contributing to a decline in low-income housing and made recommendations that were implemented nationally through the Housing Act of 1990. He has chaired the board of directors of The Community Builders, the nation's largest nonprofit developer of affordable housing, and is currently deputy chair of the Federal Reserve Bank of Boston. He was a founding director and vice chair of the MasterCard Foundation and currently serves on the boards of the Kresge Foundation and the Aga Khan University, among others.

Clay served as a trustee of UNC–Chapel Hill (2007–2014) and led the committee that supported our university's enhanced focus on promoting innovation.

Honorary Degree Recipient

JAMES F. GOODMON

DOCTOR OF LAWS



James Fletcher Goodmon is CEO and chair of the board of Capitol Broadcasting Company, one of the major television and radio broadcasting companies in North Carolina. After attending Duke University he served in the U.S. Navy. In 1968 he took a job as operations manager at WRAL-TV, and rose through the ranks to become president in 1975 and CEO in1979, the position he still holds.

Goodmon is known nationally for his firmly held belief in broadcasting's role as a responsible leader in news and information. He never abandoned or hollowed out his company's newsrooms, even in difficult financial times. He is also known for his community spirit, as exemplified by his leadership in revitalizing the American Tobacco Historic District in Durham, N.C., now a thriving area with nonprofits, businesses, restaurants, a baseball stadium and a performing arts center.

Among his many honors, Goodmon received the North Carolina Award in 2000, the highest civilian honor our state confers. He was named "Tar Heel of the Year" by the Raleigh News and Observer in 2003. He was inducted into both the N.C. Media and Journalism Hall of Fame and the N.C. Association of Broadcasters Hall of Fame. He is also the recipient of honorary degrees from Peace University, Pfeiffer College, and Duke University.

Goodmon is chair of board of directors of the A.J. Fletcher Foundation, which supports UNC's School of Media and Journalism and many other local institutions. As a strong proponent of public broadcasting, he was the founding president of the UNC-TV Foundation, and played a key role in establishing WUNC-FM radio's new broadcast facilities in Durham.

Honorary Degree Recipient

JUDITH A. JAMISON

DOCTOR OF PERFORMING ARTS

Judith Ann Jamison is an American dancer and choreographer of world renown. In 1965, at the age of 22, she was offered a spot in Alvin Ailey American Dance Theater – a modern dance company of international stature. Her iconic performances in Alvin Ailey's masterpieces Blues Suite, Revelations, and, most notably, the tour-de-force solo Cry, brought her worldwide stardom. She was a guest artist with numerous renowned companies, starred in the hit Broadway musical Sophisticated Ladies, and formed her own company, The Jamison Project.

In 1989 she became artistic director of Alvin Ailey American Dance Theater and for the next 21 years led the company to unprecedented heights – including helping to establish a permanent home for the organization and guiding Ailey's global 50th anniversary celebration. She choreographed many celebrated works, including Divining (1984), Forgotten Time (1989), Double Exposure (2000), HERE ... NOW (2002), Love Stories (with additional choreography by Robert Battle and Rennie Harris, 2004), and Sweet Release (1996), which featured original music by Wynton Marsalis. Her autobiography, Dancing Spirit, was edited by Jacqueline Kennedy Onassis and published by Doubleday in 1993.

Jamison received a prime-time Emmy and the American Choreography Award for the PBS special, A Hymn for Alvin Ailey, based upon her acclaimed work Hymn (1993). She was also awarded the Kennedy Center Honor, a National Medal of Arts, a New York Dance and Performance "Bessie" Award, and the Handel Medallion. Featured in "The TIME 100: The World's Most Influential People," she was also honored at the White House and inducted into the National Museum of Dance's Hall of Fame. Jamison's celebration of the African American cultural experience and her preservation and enrichment of American modern dance have made her a powerful ambassador for diversity in the arts.

FOR CAROLINA'S NEWEST ALUMNI

The UNC General Alumni Association is eager to help the class of 2018 make a successful transition from student to alumna/us. We'll keep Carolina connections strong by introducing our newest graduates to our vast network of supportive alumni. We also provide communications, programs and services to keep you informed and involved.

For more information on how the GAA serves new graduates, call Katie Thore '15 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

ALUMNI RECORDS

Don't miss out on special invitations and services. Keep your record updated.

ALUMNI CAREER SERVICES

The GAA's Alumni Career Services will help you navigate employment options and opportunities throughout your career. Whether you already have a job, are heading to graduate school or are still looking for your next step, we can help.

EVENTS WITH TAR HEELS

No matter where you roam, there will likely be others in your midst who attended Carolina. The GAA will help with those introductions – don't miss out.

UNC ALUMNI APP

Wherever you go, keep Carolina in your pocket when you download the "UNC Alumni" app and log in. Discover nearby alumni events and Tar Heel happenings relevant to you.

TRUSTED SOURCE

Information is everywhere, but you can count on the GAA's young alumni e-newsletter The Quad and the Carolina Alumni Review to bring you home again with every issue. Special membership rates are available to new grads. Save $50 on life membership — $32.25/month for 24 months. New grad auto-renewing annual membership is only $30/year for the first three years.

Life membership rates will never be lower. Make your new grad a Tar Heel for Life – save $50 on the new grad rate, plus beat the July 1 life dues increase. Get started today for only $32.35/month for 24 months for a lifetime of perks.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus wide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to Carolina are included as participation in the Senior Campaign and the Office of University Development's annual giving totals. Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit giving.unc.edu/youngalumni.

CLASS OF 1968 CELEBRATES GOLDEN ANNIVERSARY

As part of their 50th class reunion, representatives from Carolina's Class of 1968 will join the academic processional at Commencement. Watch for these most recent inductees into the General Alumni Association's Old Students Club, who will be adorned in Carolina blue gowns and wearing medallions commemorating their golden anniversary reunion.

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Business Journalism
Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication
Certificate – UNC Core

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Elementary Education; Human Development and Family Studies; Middle Grades Education
Bachelor of Arts in Media and Journalism
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Mathematical Decision Sciences; Mathematics; Physics; Psychology; Statistics and Analytics
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Public Health Leadership
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Ecology; Education; Educational Innovation, Technology, and Entrepreneurship; English and Comparative Literature; Exercise and Sport Science; Folklore; Geography; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education for Experienced Teachers; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Professional Science in the discipline of:
Biomedical and Health Informatics; Digital Curation; Toxicology
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell Biology and Physiology; Chemistry; Clinical Rehabilitation and Mental Health Counseling; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neuroscience; Nutrition; Occupational Therapy; Operative Dentistry; Oral and

Craniofacial Biomedicine; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Social Work
Doctor of Nursing Practice
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biological and Biomedical Science; Biomedical Engineering; Biostatistics; Business Administration; Cell Biology and Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Computer Science; Ecology; Economics; Education; English and Comparative Literature; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; German Studies; Germanic Languages; Health Behavior; Health Informatics; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neuroscience; Nursing; Nutrition; Occupational Science; Oral and Craniofacial Biomedicine; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES
Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

WEST FRANKLIN STREET
EAST FRANKLIN STREET
NORTH COLUMBIA ST.
SOUTH COLUMBIA STREET
University Square
COLONY CT.
FRATERNITY CT.
McCorkle Place
Visitors' Center
Morehead Planetarium
Sundial
Coker Arboretum
HOOPER LANE
SENLAC ROAD
BOUNDARY STREET
PARK PLACE
Park Place Lot
BASNIGHT LANE
CAMERON COURT
KENAN STREET
MALLETTE STREET
WEST CAMERON AVENUE
EAST CAMERON AVENUE
Carolina Inn
Peabody
Phillips
Memorial
Gerrard
Carolina
Polk Place
Upper Quad
Lower Quad
Davis Library
Wilson Library
The Pit
Frank Porter Graham Student Union
Dunnells Student Stores
Caudill Labs
Kenan Labs
Murphey
Dey
Gardner
Manning
Lenoir
Chapman
Carroll
Saunders
Brooks Building
Hanes
Phillips Annex
Caldwell
Bynum
Graham
Aycock
Lewis
Everett
Cobb
Jackson
Forest Theatre
COBB DRIVE
LENOIR DRIVE
EMERSON DRIVE
RALEIGH STREET
BATTLE LANE
BOUNDARY STREET
COUNTRY CLUB ROAD
GLANDON DRIVE
GIMGHOUL
McCAULEY STREET
RANSOM STREET
VANCE STREET
PITTSBORO STREET
UNIVERSITY DR.
DAUER DR.
SOUTH ROAD
Stone Cultural Center
Bell Tower
Memorial Grove
SRC
Fetzer Gymnasium
Woollen
Carmichael Arena
Hooker Fields
Krupp-Sanders
RALEIGH ROAD
to N.C. 54 and Friday Center
Fetzer Grandstands
Belk Track & Fetzer Field
Eddie Smith Field House
Navy Field
Kenan Football Center
Kenan Stadium
Loudermilk Center for Excellence
STADIUM DRIVE
RIDGE ROAD
Ehringhaus Field
Bryan Field
Student Academic Services
Outdoor Education Center
Health Affairs Book Store
Beth Tower Parking Lot
UNC HOSPITALS
DENTAL CIRCLE
MEDICAL DRIVE
WEST DRIVE
MASON FARM ROAD
Cardinal Parking Deck
Neurosciences Hospital
NEW EAST DRIVE
Jackson Parking Deck
HOSPITAL DRIVE
EMERGENCY ROOM DRIVE
MANNING DRIVE
Craige Parking Deck
PAUL HARDIN DRIVE
Water Tower
Public Safety
Morrison
Student Academic Services
Ehringhaus
Avery Residence Hall
EHRINGHAUS DR.
Coker Pinetum and Meeting at the Waters Creek
SKIPPER BOWLES DRIVE
HINTON JAMES DR.
Ram Village at Williamson Dr.
Student Family Housing
Odum Village
BERNARD ST.
HIBBARD DRIVE
WILLIAM BLYTHE DRIVE
BRANDON STREET
Educational Foundation Parking Deck
KENAN CENTER DRIVE
Kenan Center
McCall
WILLIAMSON DRIVE
PINE LANE
BUTTONS LANE
LAUREL HILL ROAD
PUREFOY ROAD
WHITEHEAD CIRCLE
OTEYS ROAD
Dean E. Smith Student Activities Center
Kenan Memorial
Williamson Student Center
Bailey Hill Student Family Housing
BAILEY HILL DRIVE
FERN LANE
IRIS LANE
Ayock Family Medicine
to N.C. Botanical Garden
US 15-501 / NC 54 BYPASS
FORDHAM BLVD.
US 501 to Pittsboro
N

DEPARTMENTAL *and* SCHOOL COMMENCEMENT EVENTS

SUNDAY AFTERNOON, MAY 13

SCHOOL OR DEPARTMENT	TIME	PLACE	MAP LOCATION
Allied Health, Clinical Laboratory Science	1:00 p.m.	Wilson Library, Pleasants Family Room	H-6
Archaeology and Anthropology	1:00 p.m.	Courtyard of Campus Y and Gerrard Hall	G-4
Chemistry	1:00 p.m.	Friday Center, Grumman Auditorium	M-7
Classics	1:00 p.m.	Murphey Hall, Auditorium 116	H-5
Computer Science	1:00 p.m.	Carmichael Arena	K-7
Dramatic Art	1:00 p.m.	Paul Green Theatre	L-6
Economics	1:00 p.m.	Fed Ex Global Courtyard	F-6
Geography	Immediately following main ceremony	Carolina Hall, 220	H-4
Germanic and Slavic Languages and Literatures	1:00 p.m.	Dey Hall, Toy Lounge	H-5
Global Studies	4:00 p.m.	Memorial Hall	H-4
History	1:00 p.m.	Hamilton Hall, 100	J-4
Honors Carolina	Immediately following main ceremony	Graham Memorial	H-2
Linguistics	Immediately following main ceremony	Kenan Music Building, Rehearsal Hall	F-3
Music	2:00 p.m.	Hill Hall, Moeser Auditorium	G-2
Physics and Astronomy	1:00 p.m.	Chapman Hall, 211	G-4
Political Science	1:00 p.m.	Memorial Hall	H-4
Psychology and Neuroscience	3:30 p.m.	Carmichael Arena	K-7
Religious Studies	1:00 p.m.	Lawn between Carolina Hall and Murphey Hall	H-4
School of Information and Library Science	1:00 p.m.	Student Union, Great Hall	J-6
Statistics and Operations Research	1:00 p.m.	Genome Science Building, 100	F-7
Women's and Gender Studies	1:00 p.m.	Carroll Hall, 111	G-4

CANDIDATES *for* GRADUATE DEGREES

May 2018

Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Kanat Abdulla, *Economics,* The Allocation of Talent in Brazil and India. Professor Lutz Hendricks.

Rebecca Cressey Adikes, *Biology,* The Regulation of Microtubule Dynamics by +TIPs and Cross-Linking Proteins. Professor Kevin Slep.

Sanaa Awwad Alsulami, *Nursing,* Faculty Perceptions of the Organizational Culture and Leadership in Schools of Nursing in Saudi Arabia: A Mixed Methods Study. Professor Gwen Sherwood.

Elizabeth Humphries Altenau, *Geological Sciences,* Analysis of Surface Water Dynamics Along the Tanana River, AK Using In Situ Observations, AirSWOT Measurements, and Hydrodynamic Modeling. Professor Tamlin Pavelsky.

Brandon Ramal Anjuwon-Foster, *Microbiology and Immunology,* Phase Variation of *Clostridium difficile* Virulence Factors. Professor Rita Tamayo.

Ricardo Jose Antonia, *Genetics and Molecular Biology,* IKK Family Members Regulate Growth and Autophagy by Phosphorylation of Key Substrates. Professor Albert Baldwin.

Kyle Christopher Arend, *Microbiology and Immunology,* Regulation of HCMV Major Immediate Early Gene Expression During Lytic Replication. Professor Nathaniel Moorman.

Helen Holland Avis, *Education,* Engaging the Incarcerated Mind: An Autoethnography of a Juvenile Justice Teacher. Professor Kathleen Brown.

Seth Baldwin, *Mathematics,* Positivity in T-Equivariant K-Theory of Kac-Moody Flag Varieties. Professor Shrawan Kumar.

John Paul Piso Balmonte, *Marine Sciences,* Microbial Community Composition, Extracellular Enzymatic Activities, and Structure-Function Relationships in the Central Arctic Ocean, a High-Latitude Fjord, and the North Atlantic Ocean. Professors Carol Arnosti and Andreas Teske.

Brian Barkley, *Biostatistics,* Causal Inference From Observational Studies in the Presence of Partial Interference. Professor Michael Hudgens.

Nicole Therese Bauer, *History,* In the Kingdom of Shadows: Secrecy and Transparency in Eighteenth-Century France. Professor Jay Smith.

Soha Bazyar, *Biomedical Engineering,* Desktop-Generated Micro-Planar X-Ray Beams and Their Biological Effects. Professor Yueh Lee.

William Edmund Lindsay Begley, *Classics,* The Avignon Manuscript and the Transmission of Rufinus' Translation of Origen's Peri Archon. Professor Robert Babcock.

Andrew Robert Belton, *English and Comparative Literature,* Hip Hop Illiterate: Hermeneutics for the Future of American Literary Theory and Criticism. Professor GerShun Avilez.

Samuel Isaac Berchuck, *Biostatistics,* Statistical Methods for Modeling the Spatial Structure on the Visual Field in Glaucoma Progression Research. Professors Amy Herring and Joshua Warren.

Eloisa del Mar Berman-Arévalo, *Geography,* Making Space in the "Territorial Cracks": Afro-Campesino Politics of Land and Territory in the Colombian Caribbean. Professor Gabriela Valdivia.

Nakia Best, *Nursing,* The Impact of School Nurses on Student Health and Education Outcomes. Professor Debbie Travers.

Sridutt Bhalachandra, *Computer Science,* Runtime Methods to Improve Energy Efficiency in Supercomputing Applications. Professors Allan Porterfield and Jan Prins.

William Bishop, *City and Regional Planning,* Value Creation in Proximity to U.S. Light Rail Transit Stations. Professor Roberto Quercia.

Kimberly Rose Bobier, *Art History,* Representing and Refracting the Civil Rights Movement in Late Twentieth-Century Art. Professor John Bowles.

Christopher Phillip Bowen, *Musicology,* "We Shall Remain Faithful": The Village Mode in Czech Opera, 1866–1928. Professor Annegret Fauser.

Matthew William Boyce, *Chemistry,* Developing Tools to Interrogate Oxygen's Role in Cancer Progression. Professor Matthew Lockett.

Lindsay Maurer Braun, *City and Regional Planning,* Geographies of (Dis)Advantage in Walking and Cycling: Perspectives on Equity and Social Justice in Planning for Active Transportation in U.S. Cities. Professor Daniel Rodriguez.

Jonathan Scott Brennen, *Mass Communication,* Science in Pieces: Public Science in the Deformation Age. Professor Daniel Kreiss.

Kelsey Rene Brereton, *Chemistry,* Interrogating the Thermodynamics of Transition Metal Hydride Bond Strength. Professor Alexander Miller.

John Roger Brothers, *Biology,* Geomagnetic Imprinting and Natal Homing in Sea Turtles. Professor Kenneth Lohmann.

Jaime Marie Brozowski, *Microbiology and Immunology,* G Protein-Coupled Receptor Kinase 3 (GRK3) Regulates G Protein-Coupled Receptors on Murine Bone Marrow Niche Mesenchymal Stem Cells and Hematopoietic Stem-Progenitor Cells. Professor Teresa Tarrant.

Amy Elizabeth Byrnes, *Biochemistry and Biophysics,* Regulation of Microtubule Dynamics by TOG Domain-Containing Proteins. Professor Kevin Slep.

James Robert Byrnes, *Pathology,* Defining the Interactions Between Coagulation Factor XIII, Fibrin(ogen), and Red Blood Cells. Professor Alisa Wolberg.

Robert Welch Call, *Physics,* Investigations of Annealing Effects on Strontium Titanate Electrodes for Application as Bare and Dye-Sensitized Photoanodes in Photoelectrochemical Cells. Professor Rene Lopez.

Marie Camerota, *Psychology,* Evaluating a Latent Measurement Model for Infant Sleep: From Intrinsic and Extrinsic Predictors to Cognitive Outcomes. Professor Martha Cox.

Matthew Tyler Campbell, *Chemistry,* Distinguishing Carbohydrate Isomers with Ion-Molecule Reactions and Insights into Metal Cationization. Professor Gary Glish.

Jose Alfonso Campillo-Garcia, *Economics,* Three Papers on Weak Identification Robust Bootstrap Inference. Professor Jonathan Hill.

Stephen Joseph Capuzzi, *Pharmaceutical Sciences,* Cheminformatics Approaches to Computer-Aided Drug Discovery: Assay Interference, Ebola Antivirals, Kinase Chemical Probes, and Text Mining. Professor Alexander Tropsha.

Kelly Carstens, *Neuroscience,* Perineuronal Nets in Hippocampal Area CA2: Regulation by Activity and Disease. Professor Serena Dudek.

Thomas Celano, *Chemistry,* Ohmic Welding of Semiconductor Nanowire Networks. Professor James Cahoon.

Suman Chakraborty, *Statistics and Operations Research,* Dense Graph Limits and Applications. Professors Shankar Bhamidi and Andrew Nobel.

Devika Chawla, *Epidemiology,* Cannabis Use and Reproductive Health: An Investigation of Time Trends and Adverse Birth Outcomes. Professor Julie Daniels.

Jingxian Chen, *Pharmaceutical Sciences,* The Application of Nonlinear Mixed-Effects Modeling to the Optimization of HIV Treatment in Special Populations. Professor Julie Dumond.

Anthony Jacob Chergosky, *Political Science,* Incivility in Congressional Communication. Professor Jason Roberts.

Yi-Ting Chou, *Pharmaceutical Sciences,* Accessibility and Affordability of High-Priced Drugs in Advanced Non-Small Cell Lung Cancer. Professors Stacie Dusetzina and Jennifer Elston Lafata.

Phillip Wayne Clapp, *Toxicology,* Modification of Respiratory System Defense Mechanisms by Flavoring Agents in Electronic Cigarettes. Professor Ilona Jaspers.

Michael Andrew Close, *Health Behavior,* Identifying and Describing Segments of Office Workers by Activity Patterns: Associations With Demographic Characteristics, Levels of Physical Activity, and Body Mass Index. Professor Leslie Lytle.

Alisha Renee Coffey, *Genetics and Molecular Biology,* Genetics and MicroRNAs in Cardiometabolic Dysfunction: A Collective Effort in Response and Regulation. Professors Brian Bennett and Praveen Sethupathy.

Timothy Donald Conder, *Education,* "Becoming Good": Narratives of Faith, Identity, and Peoplehood for Social Justice Activists in North Carolina's Moral Movement. Professor George Noblit.

Aaron Cook, *Biochemistry and Biophysics,* Calcium-Induced Activation of Calcium and Diacylglycerol-Regulated Nucleotide Exchange Factor (CalDAG-GEFI). Professors Wolfgang Bergmeier and John Sondek.

Paul Garret Cornwell, *Mathematics,* A Symplectic View of Stability for Traveling Waves in Activator-Inhibitor Systems. Professor Christopher Jones.

Sarah Morris Cote, *Sociology,* Cultivating Effectiveness: Leadership and Participation in Local, Voluntary Groups. Professor Kenneth Andrews.

Alyssa Joy Cozzo, *Nutrition,* The Influence of Mammary Adipose Tissue and Obesity-Associated Adipose Inflammation on the Natural History of Triple-Negative Breast Cancer. Professor Liza Makowski Hayes.

David Cranford, *Anthropology,* Catawba Household Variation in the Late Eighteenth Century. Professor Vincas Steponaitis.

Yifan Cui, *Statistics and Operations Research,* Tree-Based Survival Models and Precision Medicine. Professors Michael Kosorok and Jan Hannig.

William Lawrence Czaplyski, *Chemistry,* Site-Selective Unactivated Aliphatic C-H Functionalization as a Strategy for Molecular Diversification. Professor Erik Alexanian.

Ipsita Das, *Public Policy,* Women, Social Capital, and Exposures: Examining Determinants of Environmental Health Behavior Adoption and Health Outcomes. Professor Pamela Jagger.

Scott Andrew Davis, *Pharmaceutical Sciences,* Meducation: A Randomized Controlled Trial of an Online Educational Video Intervention to Improve Glaucoma Eye Drop Technique and Adherence. Professor Betsy Sleath.

Gonzalo De Asis Ruiz, *Economics,* Corporate Debt and Distress Risk in Emerging Markets. Professor Anusha Chari.

Eldrin Lamar Deas, *Education,* "They Still Have Expectations...": An Ethnohistorical Study of Education and Reform in America's Oldest Black Town, Princeville, North Carolina. Professor George Noblit.

Meghan Jones Degler, *Education,* Practitioner Perspectives and Pedagogies in Globally Minded World Language Educators. Professor Jocelyn Glazier.

Erik Dennihy, *Physics,* Explorations of the Remnant Exoplanetary Debris Disks Around White Dwarf Stars. Professor Christopher Clemens.

Allison Dennis, *Education,* Parent Communication During Shared Reading With Girls With Rett Syndrome: The Impact of Print Referencing. Professor Karen Erickson.

Christopher John Dorst, *Philosophy,* The Best Predictive System Account of Laws of Nature. Professor Marc Lange.

Robert Kyle Driggers, *Philosophy,* Spinoza's Metaphysics From the Human Perspective. Professor Alan Nelson.

Patrick Joseph Dsilva, *Religious Studies,* The Science of the Breath in Persianate India. Professor Carl Ernst.

Michael Willis Leland Dunn, *Sociology,* Making Gigs Work: Workers, Digital Platforms, and Career Strategies. Professor Arne Kalleberg.

Travis Avery Dyer, *Business Administration,* Does Public Information Acquisition Level the Playing Field or Widen the Gap? An Analysis of Local and Non-Local Investors. Professor Mark Lang.

Patrick James Eichholz, *English and Comparative Literature,* The Great War and the Annus Mirabilis. Professor John McGowan.

David Andrew Ernst, *Biology,* Magnetoreception and Its Neural Basis in Spiny Lobsters. Professor Kenneth Lohmann.

Marziye Eshghi, *Speech and Hearing Sciences,* Development of Expressive Vocabulary and Grammar in Young Children With Repaired Cleft Palate, Children With a History of Otitis Media, and Children With Typical Development. Professor David Zajac.

Monica Faulkner, *Psychology,* Frontolimbic Circuits, Dopamine, and Attentional Bias to Alcohol Cues. Professor Charlotte Boettiger.

Bryan Fede, *Education,* Guidance in the Design and Implementation of an Online Mathematics Education Course. Professor Susan Friel.

Christopher Charles Frazer, *Physics,* Gas Dynamics and Star Formation Near Supermassive Black Holes. Professor Fabian Heitsch.

Eric Bernard Friedlander, *Statistics and Operations Research,* Mean-Field Methods in Large Stochastic Networks. Professor Amarjit Budhiraja.

Suzanna Leigh Geiser, *English and Comparative Literature,* Legal Fictions, Literary Narrative, and the Historical Truth: The Jurisprudence of Marriage in the Long Eighteenth Century. Professors James Thompson and Jeanne Moskal.

Rachel Gelfand, *American Studies,* Nobody's Baby: Queer Intergenerational Thinking Across Oral History, Archives, and Visual Culture. Professor Sharon Holland.

Alexis Seccombe Giachetti, *English and Comparative Literature,* Mid-Twentieth Century Meditations on Romantic Love in Europe. Professors John McGowan and Federico Luisetti.

Jessica Bullins Girault, *Neuroscience,* Brain Structural Maturation and Cognitive Abilities in Early Life. Professor John Gilmore.

Melissa Katherine Gish, *Chemistry,* Utilizing Ultrafast Spectroscopy to Study Charge Separation for Solar Energy Conversion. Professor John Papanikolas.

Ashley Givens, *Social Work,* Early Adult Involvement in the Criminal Justice System. Professor Gary Cuddeback.

Amy Diane Glaser, *Philosophy,* The Liberation of Young People. Professor Doug MacLean.

Dylan Isaac Glotzer, *Statistics and Operations Research,* Extreme Value Analysis, Nonlinear Random Oscillators, and Applications to Ship Motions in Irregular Seas. Professor Vladas Pipiras.

Christine Leigh Godwin, *Maternal and Child Health,* Understanding the Personal Relationships and Reproductive Health Changes of Female Survivors of Ebola Infection in Liberia. Professor Kavita Singh.

David Michael Graham, *Cell Biology and Physiology,* The Nucleus in Cell Polarization, Migration, and Mechanotransduction. Professors Keith Burridge and James Bear.

Christine Lynn Gray, *Epidemiology,* The Effect of Disruptions in Care on Wellbeing in Orphans. Professor Brian Pence.

Kelsey Marie Gray, *Genetics and Molecular Biology,* Survival Motor Neuron Protein Interaction Partners in *Drosophila melanogaster.* Professor Gregory Matera.

Cen Guo, *Pharmaceutical Sciences,* Prediction and Evaluation of Hepatic Bile Acid Transporter-Mediated Drug Interactions Using In Vitro Tools and Pharmacokinetic Modeling. Professor Kim Brouwer.

Tyson Gordon Harmon, *Speech and Hearing Sciences,* Communication Partner Perceptions, Social and Cognitive Challenge, and Spoken Language Performance in Aphasia. Professors Adam Jacks and Katarina Haley.

Bryna June Harrington, *Epidemiology,* Perinatal Depression, Retention in HIV Care, and Viral Load Among Malawian Women. Professor Brian Pence.

Mejs Hasan, *Geological Sciences,* Water Supply and Water Quality: How Can We Monitor These Using Satellites? (Both in Places With a Lot of and a Little Ground Data). Professors Larry Benninger and Aaron Moody.

Elizabeth Hasseler, *History,* Royal Saints and the Writing of History on the Peripheries of Latin Christendom, c. 1000–1200. Professor Marcus Bull.

Samuel Blackwell Heroy, *Mathematics,* Rigidity Percolation in Disordered Fiber Systems: Theory and Applications. Professor Peter Mucha.

Elijah Heyward, *American Studies,* Between Prayer and Protest: Re-Envisioning Contemporary Gullah/Geechee Identity in the Aftermath of the Charleston Shooting. Professor Glenn Hinson.

Carrie Hill, *Nursing,* How Family-Centered Care and Being a Good Parent Impact Parent Experiences in the Pediatric Intensive Care Unit. Professor Sheila Judge Santacroce.

Breanne Elizabeth Holmes, *Environmental Sciences and Engineering,* Occurrence and Control of Estrogenic and Androgenic Activity in Water. Professor Howard Weinberg.

Lee Kyung Hong, *Microbiology and Immunology,* CD30-Redirected Chimeric Antigen Receptor T Cells Target Embryonal Carcinoma via Antigen-Dependent and Fas/FasL Interactions. Professor Gianpietro Dotti.

Marie-Josephe Horner, *Epidemiology,* Cancer Burden Among Antiretroviral Therapy Users in Malawi: A Record Linkage Study Using Observational HIV Cohorts and Cancer Registry Data. Professor Andrew Olshan.

Lindsey Nicole Horrell, *Nursing,* Communication Cues to Engage Lower-to-Middle Income Adults in a Study of the Chronic Disease Self-Management Program: An Innovative Approach to Recruitment Research. Professor Shawn Kneipp.

Joshua Thomas Horvath, *Economics,* Charter School Effects on Public School Students in North Carolina. Professor Jane Cooley Fruehwirth.

Kurtis Matthew Host, *Microbiology and Immunology,* Interaction of Kaposi's Sarcoma-Associated Herpesvirus With the Host Immune System. Professor Blossom Damania.

Huamin Hu, *Chemistry,* Design of Biomimetically Inspired Hydroxyapatite-Gelatin Based Composite for Bone Scaffold Applications. Professor Wei You.

Madelyn Huang, *Toxicology,* Arsenic-Associated Diabetes: The Role of Arsenic Metabolism. Professor Miroslav Styblo.

Bin-Jin Hwang, *Microbiology and Immunology,* The Hemidesmosomal Protein BP180 (Collagen XVII) in Skin Cancer and Inflammation. Professor Zhi Liu.

Christina Redmon Inscoe, *Materials Science,* Stationary Digital Tomosynthesis: Implementation, Characterization, and Image Processing Techniques. Professor Otto Zhou.

William Peter Jackson, *Education,* Village of Wisdom: Understanding How Parents of African American Boys Help Their Children Navigate Racial Bias to Academic Success. Professors Dana Griffin and Jeffrey Greene.

Rima Januszewicz, *Chemistry,* Continuous Liquid Interface Production (CLIP) for the Fabrication of Porous Architected Structures. Professor Joseph DeSimone.

Jennifer Elizabeth Jones, *Microbiology and Immunology,* The Role of the Opal Termination Codon in Alphavirus Pathogenesis. Professor Mark Heise.

Sydney Allison Jones, *Epidemiology,* Physical Activity and Sedentary Behavior During the Retirement Transition. Professor Kelly Evenson.

Catharine Elizabeth Judson, *Classics,* Protogeometric Crete. Professor Donald Haggis.

Ahrang Jung, *Nursing,* Relationships Among Uncertainty, Post-Traumatic Stress Symptoms, and Quality of Life in Non-Muscle Invasive Bladder Cancer Survivors. Professor Deborah Mayer.

Nicole Fran Kahn, *Maternal and Child Health,* Sexual Experiences and Health Outcomes from Adolescence to Early Adulthood in Populations with Physical Disabilities. Professor Carolyn Tucker Halpern.

Julia Kane, *Nursing,* Speaking Up: Is Speaking Up or Listening Related to Healthcare Errors? Professor Linda Beeber.

Chia-Yu Kao, *Computer Science,* A Deep Learning Architecture for Histology Image Classification. Professor Leonard McMillan.

Laurel Brianne Kartchner, *Microbiology and Immunology,* Generation of Clinically Relevant Models of Burn-Associated Co-Morbidities for Analysis of Immune Dysfunction After Burn Injury. Professors Bruce Cairns and Robert Maile.

Gwen Kash, *City and Regional Planning,* Vision Dissonance in Latin American Transit Reform. Professor Daniel Rodriguez.

Sandeep Kumar Kasoji, *Biomedical Engineering,* Early Assessment of Tumor Response to Radiation Therapy Using High-Resolution Contrast Enhanced Ultrasound Imaging and Applications for Prostate Cancer. Professor Paul Dayton.

Brystana Kaufman, *Health Policy and Management,* The Impact of the Medicare Shared Savings Program on Stroke Outcomes: Findings From the Get With the Guidelines-Stroke Registry. Professor Sally Stearns.

Gregory Randall Keele, *Bioinformatics and Computation Biology,* Experimental Design and Analysis of Multiparental Populations and Their Derivatives. Professor William Valdar.

Elizabeth Audrey Keenan, *Chemistry,* Functionalization and Characterization of Thin Film Materials: Molybdenum Disulfide, Small Molecule Transistors, and 2D Perovskites. Professor Wei You.

Danielle Arletta Keller, *Ecology,* How the Structure and Spatial Components of Habitat Affect Estuarine Communities. Professor Joel Fodrie.

William Augustus Keyes IV, *Communication Studies,* A Rhetorical Criticism: Benjamin Elijah Mays, Interpreter of World Events, Inspirer of Young Men, and President of Morehouse College, 1940–1967. Professor William Balthrop.

Christine Lynn Kirkpatrick, *Chemistry,* Development, Validation, and Applications of the PepSAVI-MS Pipeline for Natural Product Bioactive Peptide Discovery. Professor Leslie Hicks.

Stephanie Konle, *Education,* Engaging Our Histories and the Difficult Histories We Teach. Professor Madeleine Grumet.

Sarah Kowitt, *Health Behavior,* How, Why, and for Whom Do Neighborhood Characteristics Matter? Using Multilevel Modeling to Examine Associations Among Neighborhood Context and Health Outcomes. Professor Edwin Fisher.

Lina Julianc Kuhn, *English and Comparative Literature,* Following Darwin: Biopolitics and the Grotesque in American and German Culture, 1890–1933. Professors Matthew Taylor and Eric Downing.

Suzanne Landi, *Epidemiology,* Comparative Safety and Effectiveness of Metformin Versus Insulin Treatment for Gestational Diabetes: Maternal, Neonatal, and Child Health Outcomes. Professor Michele Jonsson Funk.

Katelyn Susan Lavrich, *Toxicology,* Initiating Oxidative Events Induced by Particulate Matter Component 1,2-Naphthoquinone in Human Airway Cells. Professor James Samet.

Nirosha Mahendraratnam Lederer, *Pharmaceutical Sciences,* Optimizing Antiemetic Use in Patients Initiating Highly Emetogenic Intravenous Chemotherapy: Lessons Learned from Big Data and Modeling. Professor Stacie Dusetzina.

Hyejin Lee, *Art History,* "Tout en l'air": Visual and Material Representations of Air in Eighteenth-Century France. Professors Christopher Johns and Mary Sheriff.

Micah Nathaniel Levinson, *Political Science,* The Origins of Secessionist Conflict: Predicting When Governments Will and Will Not Permit Secession. Professor Gary Marks.

Chaosu Li, *City and Regional Planning,* Essays on Climate Change Mitigation, Building Energy Efficiency, and Urban Form. Professor Yan Song.

Lesheng Li, *Chemistry,* Quantum Dynamics of Excited Charge Carrier at Heterogeneous Interface Between Semiconductor and Organic Molecule. Professor Yosuke Kanai.

Qi Liu, *Biomedical Engineering,* Immunotherapy for BRAF-Mutant Melanoma: Nano-Medicine Approaches of Vaccination and Immune-Modulation. Professor Leaf Huang.

Brianna Lombardi, *Social Work,* Painting the Whole Picture: Victimization and Adversity Within a National Sample of Child Welfare Involved Youth. Professor Sarah Bledsoe.

Daniel Jamison Luckett, *Biostatistics,* Machine Learning for Data-Driven Biomedical Decision Making. Professor Michael Kosorok.

Poulami Maitra, *Biostatistics,* Statistical Methods for Data from Case-Cohort Studies. Professor Jianwen Cai.

Stephen Walter Mandravelis, *Art History,* Sowing Rural Vision: Imagining the Farm in the American Agriculturist, 1842–1878. Professor Bernard Herman.

Kaila Ashley Margrey, *Chemistry,* Development of Aromatic and Aliphatic C-H Functionalizations via Photoredox Catalysis. Professor David Nicewicz.

Ashley Elizabeth Mason, *Occupational Science,* Mealtime Activities and Experiences of Children Living in North Carolina. Professor Ruth Humphry.

Kathleen McClain Massimino, *Epidemiology,* Polyunsaturated Fatty Acids and the Barrett's Esophagus-Esophageal Adenocarcinoma Continuum. Professor Marilie Gammon.

Desirce Marie Matias, *Chemistry,* Activation of Carbodicarbene Catalysts for Diene Hydrofunctionalization and Exploration of Chemical Reactivity Using Commodity Chemicals. Professor Jeffrey Johnson.

Paul Maurizio, *Bioinformatics and Computational Biology,* Modeling the Host Genetic Determinants of Influenza Virus Pathogenesis in Mice. Professors Mark Heise and William Valdar.

Autumn Deer McClellan, *Sociology,* Social Psychological Influences on Participation in Online Collective Action. Professor Neal Caren.

Laura McGuinn, *Epidemiology,* Early Life Air Pollution Exposure and Autism Spectrum Disorder: Identifying Critical Windows of Susceptibility and Susceptible Subgroups. Professor Julie Daniels.

Robert McKee, *Microbiology and Immunology,* The c-di-GMP Regulatory Network in *Clostridium difficile* Modulates Surface Adherence and Persistence in the Mammalian Gut. Professor Rita Tamayo.

Rachel Cara McMullan, *Genetics and Molecular Biology,* Adverse Response to Exercise: Mouse Model Development. Professor Fernando Pardo-Manuel de Villena.

James Alexander McVey, *Communication Studies,* Policing the Post-Racial: Visual Rhetorics of Racial Backlash. Professor Eric King Watts.

Christine Allisandra Mills, *Pharmacology,* Ubiquitin and Ubiquitin-Like Proteins in Cell Cycle Regulation. Professor Michael Emanuele.

Adria Nicole Molotsky, *Public Policy,* Poverty, Income Shocks, and Decision-Making: Evidence from Malawi. Professor Sudhanshu Handa.

Nicolas Morales, *Computer Science,* Efficient Wave-based Sound Propagation and Optimization for Computer-Aided Design. Professor Dinesh Manocha.

Ian Murphy, *Communication Studies,* Post-Internet Circuits of Media Distribution. Professors Richard Cante and Michael Palm.

Elizabeth Virginia Carol Mutter-Rottmayer, *Toxicology,* Defining New Mechanisms for DNA Damage Tolerance in Cancer. Professors Cyrus Vaziri and Dale Ramsden.

Chelsea Nehler, *Psychology,* Adrenarche During the Great Recession as an Environmental Challenge to Psychosocial Development: An Evolutionary-Developmental Perspective. Professor Jean-Louis Gariépy.

Sara Wallace Nowell, *Speech and Hearing Sciences,* Social-Communication and Self-Regulation Development in Children with Autism Spectrum Disorder. Professor Linda Watson.

Angela Gina O'Donnell, *English and Comparative Literature,* Radical Ambivalence: Race in Flannery O'Connor. Professor Joseph Viscomi.

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James Dertad Omartian, *Business Administration,* Do Banks Aid and Abet Asset Concealment: Evidence from the Panama Papers. Professor Eva Labro.

Daniel Oreper, *Bioinformatics and Computational Biology,* Computational Methods for Studying Parent-of-Origin Effects via Reciprocal Mouse Crosses. Professor William Valdar.

Kelly Ann Orgel, *Cell Biology and Physiology,* Advances in Treatments and Animal Models of Peanut Allergy. Professor Wesley Burks.

Dana Kristine Pasquale, *Epidemiology,* Epidemiological Analysis of HIV Sociosexual and Phylogenetic Networks in Central North Carolina. Professor William Miller.

Tejash Vijay Patel, *Pharmaceutical Sciences,* Process Design for Scalable Recombinant Adeno-Associated Virus. Professor Xiao Xiao.

Ericka Patillo, *Information and Library Science,* The Middle Manager Role in Academic Libraries. Professor Barbara Moran.

Avery Byrd Paxton, *Biology,* Species-Habitat Relationships and Community Structure of Reef Fishes Associated With Temperate Hardbottom Reefs of North Carolina, USA. Professor Charles Peterson.

Ke Peng, *City and Regional Planning,* Built Environment, Use of Restaurants and Food Stores, and Food Purchasing Behaviors in the United States. Professor Nikhil Kaza.

Taylor Joel Richard Penke, *Genetics and Molecular Biology,* Understanding Heterochromatin Biology Through Histone Mutagenesis. Professor Bob Duronio.

Jacob Perry, *Mathematics,* Localized Energy Estimates for Wave Equations Exterior to Non-Star-Shaped Obstacles. Professor Jason Metcalfe.

Ian Joseph Philipp, *Mathematics,* The Geometry of DAHA Superpolynomials. Professor Ivan Cherednik.

Jeannette Hill Porter, *Mass Communication,* In the Pastor's Study: A Grounded Theory Analysis of African American Baptist Ministers' Communication on Mental Health and Illness. Professor Brian Southwell.

Louis Howard Porter, *History,* Cold War Internationalisms: The Soviet Union in UNESCO, 1945–1967. Professor Donald Raleigh.

Trista Laurel Reis Porter, *American Studies,* Resisting Canonicity: Translating Tradition, Community, and Voice in the Work of Three American Artists. Professor Bernard Herman.

Elyse Powell, *Nutrition,* Trends in U.S. Household Low-Sugar Product Purchases from 2002 Through 2014. Professor Linda Adair.

Jami Celeste Powell, *Anthropology,* Creating an Osage Future: Art, Resistance, and Self-Representation. Professors Jean Dennison and Rudolf Colloredo-Mansfeld.

Samantha Puvanesarajah, *Epidemiology,* Associations Between Mode of Detection, Imaging Features, and Breast Cancer Subtype in the Carolina Breast Cancer Study. Professor Melissa Troester.

Alexandra Jean Reyes, *Education,* Un Retrato de Comunidad: A Portrait of a Community-Based Spanish Heritage Language Program in the New Latinx South. Professor Juan Carrillo.

Jennifer Rhee, *Economics,* Essays in International Economics Using Firm-Level Data. Professor Anusha Chari.

Jacqueline Finley Ring, *Nursing,* Predicting Admission at Emergency Department Triage: A Test of the Admission Predictor Tool. Professor Debbie Travers.

Quentin Ante' Robinson, *Mathematics,* Surface Disturbances Generated by Fluid Flow Past an Obstacle or Over Topography as Predicted by the Korteweg-de Vries and Euler Equations. Professors Roberto Camassa, Jeremy Marzuola, Richard McLaughlin.

Esmeralda Rodriguez, *Education,* Surveilled Bodies: Race, Gender, and the Emergence of Mujerista Youth Literacies in the New Latinx South. Professor George Noblit.

Juan David Rojas, *Biomedical Engineering,* Contrast Enhanced Ultrasound for the Assessment of Tumor Response to Therapy. Professor Paul Dayton.

Samuel Isaac Rosen, *Business Administration,* Essays in Macro-Finance and Banking. Professor Mariano Massimiliano Croce.

Temperance Rowell, *Cell Biology and Physiology,* Flavor-Dependent Effects of E-Cigarette Liquids and Their Chemical Constituents on Lung Epithelial Toxicity and Cell Ca2+ Signaling. Professor Robert Tarran.

Katherine Rucinski, *Epidemiology,* Longitudinal Patterns of Unmet Need for Contraception and the Effect of Fertility Intentions on Attendance at HIV Clinical Care Visits Among HIV-Infected Women Taking ART in South Africa. Professor Audrey Pettifor.

John Stevens Runge, *Genetics and Molecular Biology,* Combinatorial Regulation by Enzymes That Modulate the Chromatic Landscape and Gene Expression. Professor Terry Magnuson.

Renee Catherine Ryberg, *Sociology,* Inequality and the Transition to Adulthood. Professor Lisa Pearce.

Wayne Erik Rysavy, *Communication Studies,* Haunted by Specters, Surrounded by Spectators: Law, Technology, and the Fragmentation of Identity. Professor Ken Hillis.

Adam Sage, *Pharmaceutical Sciences,* Optimizing Patient Comprehension of Information Visualizations for Medication Adherence and Blood Pressure. Professor Delesha Carpenter.

Samuel Savitz, *Health Policy and Management,* Health Literacy in Treatment Selection and Medication Adherence: Application to Stable Angina. Professor Sally Stearns.

Keith Schaefer, *Romance Languages and Literatures,* Enchanting Stories and Secular Scripts: Religion and Secularization in Selected Works by Miguel de Unamuno. Professor Sam Amago.

Chelsea Schein, *Psychology,* Beyond Nasty Women and Deplorables: Bridging Political Divides by Focusing on the Common Denominator of Harm. Professor Kurt Gray.

Sarah Elizabeth Schoenrock, *Neuroscience,* Using the Collaborative Cross Mouse Population to Investigate Environmental and Genetic Factors that Influence Complex Behaviors. Professor Lisa Tarantino.

Guy Shalev, *Anthropology,* Medicine and the Politics of Neutrality: The Professional and Political Lives of Palestinian Physicians in Israel. Professor Michele Rivkin-Fish.

Kate Sheahan, *Health Policy and Management,* Facility-Level Integration of Family Planning and Child Immunization Services: Its Measurement, Determinants, and Association With Service Delivery Outcomes and Postpartum Contraceptive Use in Urban Areas of Nigeria. Professor Antonia Bennett.

Robin Rudy Smith, *English and Comparative Literature,* The Poet's Labor: Industrialization and the Place of Poetry in Antebellum America. Professor Eliza Richards.

Adam Speen, *Toxicology,* Interactions Among Ozone, Oxysterols, and Adverse Health Effects in the Human Airway. Professor Ilona Jaspers.

Natalie Mary Stanley, *Bioinformatics and Computational Biology,* Community Detection Approaches for Multilayer, Attributed, and Large Networks. Professor Peter Mucha.

Kimberly Madie Stratford, *Toxicology,* Vitamin D Deficiency and Air Pollution: Effects Impacting the Cardiovascular System. Professor Mehdi Hazari.

Holly Kathryn Straut Eppsteiner, *Sociology,* Constrained Choices: Latina Immigrants Negotiating Work, Family, and Legality in the New South. Professor Jacqueline Hagan.

Jean Marie Strelitz, *Epidemiology,* Heart Attacks Among Oil Spill Workers Five Years After Deepwater Horizon: A Longitudinal Analysis in the GuLF Study. Professor Lawrence Engel.

Mathew Robert Swiatlowski, *American Studies,* The Sound of Ethnic America: Prewar "Foreign-Language" Recordings and the Sonics of U.S. Citizenship. Professor Jocelyn Neal.

Karen Swietek, *Health Policy and Management,* The Patient-Centered Medical Home: Impact on Racial/Ethnic Disparities in Quality of Care. Professor Marisa Domino.

Zhenyu Tian, *Environmental Sciences and Engineering,* Non-Target Analysis of Bioremediated Soil. Professor Michael Aitken.

Kea Turner, *Health Policy and Management,* Piloting a Medicaid Population Health Management Intervention in Community Pharmacies: An Implementation Study. Professor Christopher Shea.

Bryce Robert Van Dam, *Marine Sciences,* Fickle Fluxes: Carbon Biogeochemistry Across Temporal Scales. Professor Hans Paerl.

Abhishek Venkatratnam, *Environmental Sciences and Engineering,* Inter-Individual Differences in Trichloroethylene Toxicokinetics and Toxicodynamics in Genetically Diverse Mice. Professor Ivan Rusyn.

Lior Vered, *Chemistry,* Memory and Hysteresis in Pheromone-Regulated Polarity in Yeast. Professor Tim Elston.

Laura Patricia Villa-Torres, *Health Behavior,* Living Undocumented: An Ethnographic Study of the Mental Health and Wellbeing of Undocumented Mexican Migrant Men. Professor Clare Barrington.

Heather Ashley Vincent, *Microbiology and Immunology,* Regulation of mRNA Translation by Human Cytomegalovirus pTRS1. Professor Nathaniel Moorman.

John Wachen, *Education,* Media Coverage of Educational Testing: Understanding Issue Dimensions Using Topic Modeling. Professor Lora Cohen-Vogel.

Katherine Nicole Walker, *English and Comparative Literature,* Reading the Natural and Preternatural Worlds in Early Modern Drama. Professor Mary Floyd-Wilson.

Ke Wang, *Computer Science,* Towards Efficient 3D Reconstructions from High-Resolution Satellite Imagery. Professor Jan-Michael Frahm.

Julia Bennett Ward, *Epidemiology,* Generational and Neighborhood Sociocultural Factors and Depression Among Latinos. Professor Allison Aiello.

Caitlin Grace Watt, *English and Comparative Literature,* Authorship and the Discovery of Character in Medieval Narrative. Professor Shayne Legassie.

Emily Werder, *Epidemiology,* Styrene Exposure and Neurologic Effects in Residents of the U.S. Gulf States. Professor Lawrence Engel.

Emily Grace Werth, *Chemistry,* Exploration of Kinase-Regulated Cellular Signaling in *Chlamydomonas reinhardtii.* Professor Leslie Hicks.

Sarah Jeanette Willis, *Epidemiology,* Chronic Hepatitis C Infection and HIV Treatment Outcomes Among Women Who Initiate Antiretroviral Therapy. Professor Stephen Cole.

Jonathan Clark Wright, *School Psychology,* The Challenge of Community College Student Academic Motivation: The Go for Growth Intervention. Professor Steve Knotek.

Ya-Ke Wu, *Nursing,* Weight Stigma and Acculturation in Relation to Hair Cortisol and Binge Eating in Asian Americans with Overweight and Obesity. Professor Diane Berry.

Rae Yan, *English and Comparative Literature,* "This Seemingly So Solid Body": Philosophical Anatomy and Victorian Fiction. Professors John McGowan and Beverly Taylor.

Shan Yang, *Computer Science.* Non-Rigid Body Mechanical Property Recovery from Images and Videos. Professor Ming Lin.

Yi Yao, *Chemistry,* Advancing Molecular Dynamics Simulations of Aqueous Ionic Solutions. Professor Yosuke Kanai and Max Berkowitz.

Douhan Justin Yeh, *Biology,* The Interactions Between Learning and Speciation. Professor Maria Servedio.

Jen-Huei Yeh, *Nursing,* Deliberate Practice With Mastery Learning: Using an Online Approach to Develop Nursing Students' Interprofessional Critical Incident Reporting Skill. Professor Gwen Sherwood.

Eleni Zgourou, *Education,* Home Literacy Practices at 36 Months of Age and Child Concurrent and Later Language and Literacy Skills in Families Living in Rural Areas of High Poverty. Professor Lynne Vernon-Feagans.

Jing Zhou, *Economics,* Examination of Physician Labor Supply and Its Effect on Patient Welfare, The Doctor is In/Out: Determinants of Physician Labor Supply Dynamics and Physicians, Where Art Thou? The Effect of Physician Supply on Admissions for Ambulatory Care Sensitive Conditions. Professor Donna Gilleskie.

Xuan Zhou, *Biostatistics,* New Statistical Learning Methods for Personalized Medical Decision Making. Professors Dongling Zeng and Yuanjia Wang.

Carl Andrew Ziegler, *Physics,* Characterization of Exoplanets and Stellar Systems With New Robots. Professor Nicholas Law.

Bailey Zwarycz, *Cell Biology and Physiology,* Extrinsic Regulation of Intestinal Stem Cell Proliferation and Differentiation by Niche Components. Professor Scott Magness.

DOCTOR OF EDUCATION

Jose Cardoza, *Educational Leadership,* Moving Toward Dual-Language Approaches: A Potential Solution to Achievement Gaps for Newly Arrived Hispanic Students. Professor Kathleen Brown.

Maureen Joanna Findley, *Educational Leadership,* The Impact of Looping in an Elementary School Setting. Professor Brian Gibbs.

Janice Marie Giles, *Educational Leadership,* Teacher Retention and the Impact of North Carolina's New Definition of a Low-Performing School. Professor Brian Gibbs.

Dena Kelly Keeling, *Educational Leadership,* Towards a Critical Race Discourse Framework for Addressing Discipline Disparities for African American Students. Professors Eric Houck and Dana Thompson Dorsey.

Meredith Leigh Maier, *Educational Leadership,* Critical Case Studies of District-Level Equity Leaders in Public Schools. Professor Brian Gibbs.

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Susan Jane Price-Cole, *Curriculum and Instruction,* Instructional Coaching and Co-Teaching in Elementary Mathematics Classrooms. Professor Eric Houck.

Jason Sinquefield, *Educational Leadership,* Best in Class: An Investigation of the Relationship Between Teacher Quality Indicators and Student Performance in North Carolina. Professor Eric Houck.

Quamesha Whitted-Miller, *Educational Leadership,* Critical Theory and Popular Culture: Preparing School Leaders for the Emerging Majority. Professor James Trier.

DOCTOR OF NURSING PRACTICE

Jennifer Clayton Apple, *Nursing Practice,* Implementation of an Evidence-Based Educational Program to Promote the Correct Use of a Subdermal Contraceptive Implant in Women of Child-Bearing Age. Professor Diane Caruso.

Kelly West Bates, *Nursing Practice,* Improving Staff Comfort With and Delivery of Behavioral Counseling Interventions to Adolescent and Young Adult Males Presenting for Sexually Transmitted Infection Screening. Professor Eric Hodges.

Paula Bird, *Nursing Practice,* Generalist Nurses Caring for Patients with Mental Illness in a Non-Psychiatric Setting. Professor Cheryl Jones.

Lindsey Megan Carpenter, *Nursing Practice,* Improving Provider Adherence to Metabolic Monitoring Guidelines When Prescribing Atypical Antipsychotics to Youths. Professor Grace Hubbard.

Sarah Elizabeth Wieber Croop, *Nursing Practice,* Implementation of a Golden Hour Protocol for Extremely Premature, Extremely Low Birth Weight Infants. Professor Sue Thoyre.

Rebecca Dragomani, *Nursing Practice,* No Child Left Behind: A Quality Improvement Clinical Implementation to Improve the Treatment Outcomes, Quality of Life, and Quality of Care for School-Aged Children with ADHD at a Rural Primary Care Practice. Professor Victoria Soltis Jarrett.

Jessica Kaylyn Grimes, *Nursing Practice,* Public Health Nurse Intervention for Depression Screening During Sexually Transmitted Disease Risk Assessments. Professor Jean Davison.

Erica Jane Harberger, *Nursing Practice,* Addressing Human Papillomavirus Vaccination Rates in the 11–12 Year Old Age Group Through Improved Provider Recommendation. Professor Carrie Palmer.

Jacob Robert Haskins, *Nursing Practice,* Mind Over Matter: Enhancing Compassion Satisfaction in Oncology Nursing. Professor Cheryl Jones.

Melissa Butcher Holt, *Nursing Practice,* Improving Psychosocial Distress Screening: A Quality Improvement Project Using Staff Education. Professor Victoria Soltis-Jarrett.

Dakar Scott Howell, *Nursing Practice,* Increasing Access to Care and Knowledge of Services for Women Veterans in the VA Healthcare System. Professor Elaine Harwood.

Jingwen Hua, *Nursing Practice,* Implementation of an Evidence-Based Pain Assessment Protocol in a Nursing Home Setting. Professor Anna Beeber.

Ivuoma Ogbonneya Igwe, *Nursing Practice,* Reducing Horizontal Violence Among Nurses at the Durham VA Medical Center. Professor Cheryl Giscombe.

Nancy Kebaso, *Nursing Practice,* Conversations About Dying: Can African American Churches Use the TCP Toolkit to Facilitate End of Life Care Planning? Professor Beth Black.

Benjamin Linthicum, *Nursing Practice,* Improving Emergency Department Throughput by Adoption of an Admissions Predictor Tool at Triage. Professor Debbie Travers

Mary Catherine Quintana, *Nursing Practice,* Incorporating Advance Care Planning into Primary Care. Professor Meg Zomorodi.

Kristin Elizabeth Rush, *Nursing Practice,* Paving the Path to Mindfulness: Implementation of a Program to Reduce Stress and Burnout in Inpatient Psychiatric Nurses. Professor Grace Hubbard.

Samantha Russomagno, *Nursing Practice,* Improving Postpartum Depression Screening and Referral in the Pediatric Setting. Professor Julee Waldrop.

Anusha Kumar Smith, *Nursing Practice,* Development of a Practice Protocol for the Use of Long-Acting Injectable Antipsychotic Medications in the Emergency Department. Professor Cheryl Giscombe.

Cecily Robin Smith, *Nursing Practice,* Underuse of Oral Anticoagulation Therapy in Older Adults With Atrial Fibrillation After Stroke. Professor Carrie Palmer.

Elizabeth Walters, *Nursing Practice,* Improving Antibiotic Stewardship in the Pediatric Emergency Department. Professor Jennifer D'Auria.

DOCTOR OF PUBLIC HEALTH

David Adler, *Health Leadership,* The Politics of Expanding Medicaid in Republican-Led States: Lessons from Arizona, Indiana, and Tennessee. Professor Jonathan Oberlander.

Zara Ahmed, *Health Leadership,* CDC Engagement With the Global Fund: Current Approaches and Opportunities for Enhanced Collaboration. Professor Sandra Greene.

Laurie Bronson, *Health Leadership,* Social Drivers of Health and Local Public Health Agencies of North Carolina. Professor Pam Silberman.

Evan Simpson, *Health Leadership,* Assessing the Organizational Readiness of the Zambia Ministry of Health to Adopt a New Immunization Supply Chain Distribution System. Professor John Paul.

Rebbecca Patrice Wilson, *Biostatistics,* A Repeated Measures Imputation Approach for Missing Accelerometer Data. Professor Shrikant Bangdiwala.

Janell Erica Wright, *Health Leadership,* Impact of HIV Project ECHO (Extensions for Community Health Outcomes) Intervention in Kazakhstan. Professor Sandra Greene.

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Sharon Raye Goldman, *Educational Leadership,* Dual Language Two-Way Immersion Programs: Exploring Instructional Practices that Promote Literacy Proficiency for Spanish-Speaking English Language Learners. Professor Kathleen Brown.

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Bernard N. Botchway
Benjamin Boyles
Austin C. Braxton
Megan Ann Broad
Joseph M. Brook
Christine Alexandra Budasoff
Natalio Daniel Budasoff
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Monica Marie Burks
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Patrick Conlon
Ashton Lee Cooke
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William Douglas Curtis
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Daniel Diaz
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Roy Glenn Dixon III
Emily T. Dodane
Stephanie Leann Downey
Kenan Lee Wilkinson Drum
Jonathan H. Dugan
Kerry E. Dutra
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Priscilla M. Encarnacion
Matthew Robert Evangelisto
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Anthony Patrick Ferrara
John Ackel Ferris IV
Taylor Paige Festa
Stephanie Corriher Fields
Elizabeth Paige Forrest
Hanna Shea Fox
Katherine Elizabeth Freeman
Chad Michael Friesen
David Gallagher
Brian R. Gamsey
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Eric Goodheart
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Allison Colleen Hawkins
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Joseph Erik Hjelt
Martin G. Hodgins
Samantha Hovaniec
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John H. Hykes
Lucas Ryan Jensen
Emily Sullivan Bateman Jessup
Christine John
Abraham Frank Johns III
Charles J. Johnson
Kinsey L. Johnston
Shawn Christian Johnston
Kyle Hurley Jones
Peter K. Kelly
Donald J. Kendall
Evan Bobby King
Javier N. King
Eugene Sylvester Kisluk
Lauren H. Kosches
Chelsea Krafve
Tasmaya Anand Lagoo
Erin E. Larson

Rebecca N. Laton
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Amy Rochelle Leitner
Kirsten Elizabeth Leloudis
William Kyle Leopard
Zachary J. Lipschutz
Timothy Worth Longest
Saverio Steven Longobardo
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Kayla Michelle McGee
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Alexander J. Murphy
John Parker Murphy
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Jeffery S. Nooney
Emon Melaniece Northe
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Shane O'Neill
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Katherine L. Rippey
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Elizabeth L. Robinson
Lee Kimball Royster
Lauren Patricia Russell
Evan B. Ryland
Adrianna Sarrimanolis
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Joshua C. Showalter
Ebonei B'nai Simpkins
Andrew Mitchell Simpson
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Matthew K. Taylor
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Ronald Tran
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Kemper Browne Warren
Travonte Jaquan Warren
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Elaina A. Womble
James G. Wudel
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Jin Xin
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Natalia Jean Zbonack
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The School of Medicine

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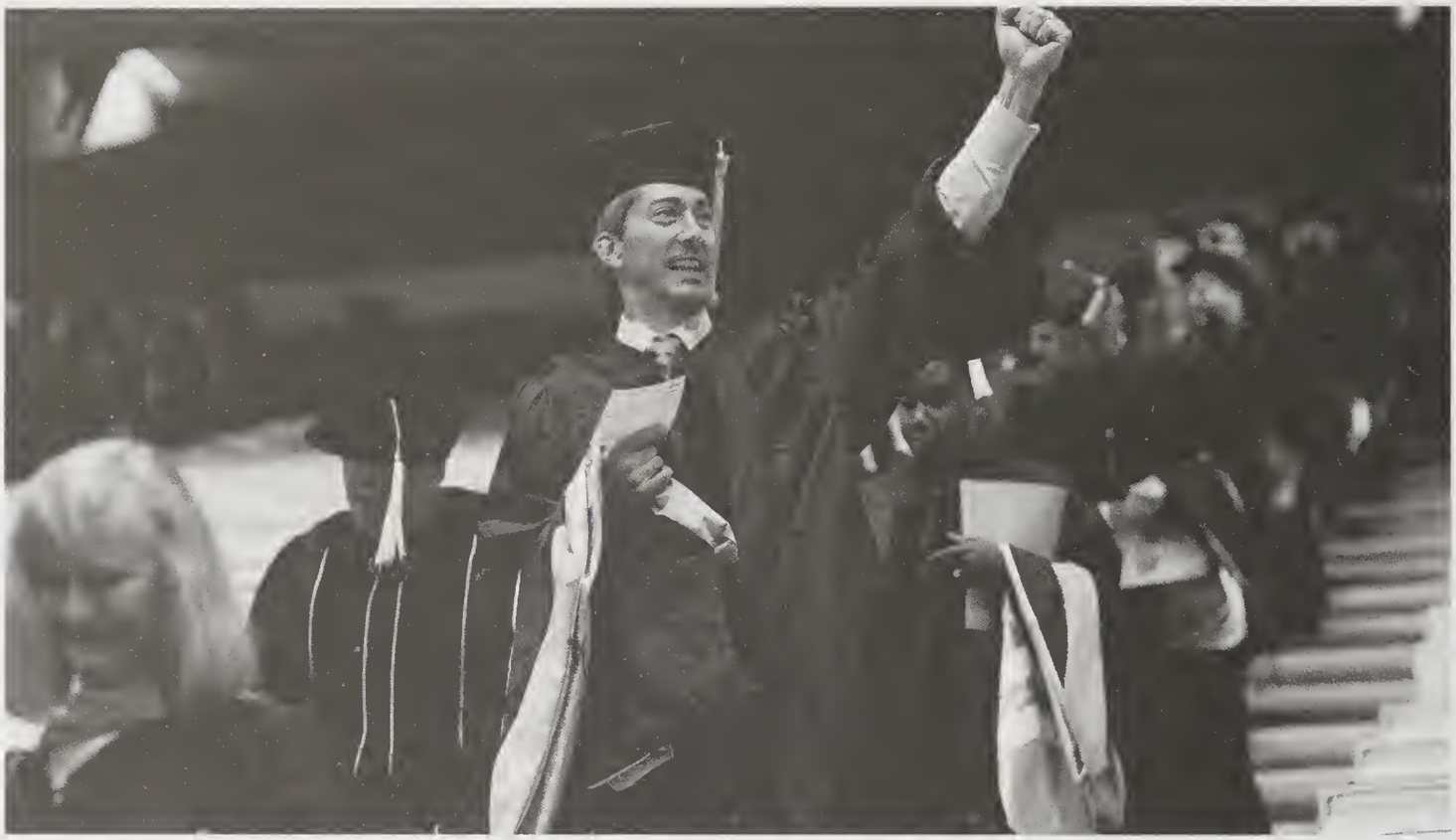

Benjamin Wade Frush
Daniel Jack Frush
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Michael A. Gonzalez
Brittaney-Belle Elizabeth Gordon
Conner Scott Graham
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Elias Taylor Gunnell
Athidi Guthikonda
Herodes Garzon Guzman
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Joshua Stephen Harford
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Jon Kyle Melvin
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Tammy Chin Wong
Terrence Yum-Yeu Wong

Karli Anne Woollens
Lyman Polk Woollens
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Nathaniel Gray Wooten
Mona Xiao
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Lindsay Cooper
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Hailey Lauren Hill
Jessica E. Holleman
Lauren Hothem
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Kaitlin Sarah Huff
Crista Marlee Hughes
Michael R. Hughes
Robert Huynh
Merci Chioma Igwe
Anna Drew Jackson
Terrence Joseph Jennings
Alice Jiang
Joyce S. Jih++
Michael Jones
Isabell Kang
Elizabeth Anne Herrold Kearney
Lauren Michelle Kemp
Rachel Dasom Kim
Steven J. Kiss
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Juwon Kwon
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Araceli Leon
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Ina Liu
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Ronald J. Pate
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Ashton Page Pierce
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McKenzie Mae Taylor
James M. Terenyi++
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Rachel Jane Tyson++
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David Jerry Wang
Sophia Zhang Wang
Brandi Michele Wayman++
Erin Wei
Alexis Katrina Lener Williams
Erin Bailey Williams
Joe L. Worthington
Stella Ye
Keith Mun-Keat Yon
Koo Yeon Yoo
Sarah H. Yun

++ Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Highest Honors

CANDIDATES *for* GRADUATE *and* PROFESSIONAL GRADUATE DEGREES

May 2018

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Kari Ruth Riggle
Dawn Renee Rivers

Art History
Aaron Patrick Ambroso
Erin Anne Dickey
Kelsey Moen
Fannie Huang Ouyang
Mary Piepmeier

Classics
Bryanna R. Lloyd
Kelly Irene McArdle
India Moore Watkins

English and Comparative Literature
Matthew Enoch Broaddus
Calvin D. Olsen
Allison Blair Palisoul
Kaylyn Beatrice Pogson

Exercise and Sport Science
Kara Christen Anderson
Katherine Leigh Burger
Cori Ellen Coleman
Tara Anne Condon
Molly Page Harry
Brendan Bradford Heitz
Elvin Jarrod James
Alexander Akira Kimura
Vasiliki Toni Kostogiannes
Katherine Margaret Lee
Rachel Renee Leeke
Cassie Ann Perrella
Clay Barrett Pfeifler
Alexis A. Pihoker
Kelsey Marie Rankin
Jacob Spreyer
Sarah Tuohy

Folklore
Jackson Meyers Hall
Hannah Olivia Herzog
Abigail Jacqueline Nover

German Studies
Corinna Lisa Egdorf

Global Studies
Amanda Sophia Ashley
Matthew Zane Clute
Sarah Rose Daniels
Vesta Davis
Tara Lauren Di Cassio
Rachel Epps
Sofia Beatriz Farah
Kristina G. Juergensmeyer
Chenai Simbisai Kadungure
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Leah Valtin-Erwin
Xilen Vega
Sarah Elizabeth Wentz

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Eric Nicolas Becerra
Kevin Joseph Hoeper
Francesca Mara Langer
Lauren Amanda Merkel
Sarah Kathryn Miles
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Emma Zoe Rothberg
Donald Clifford Santacaterina
Jennifer Lee Standish
Steven Robert Weber

Linguistics
Haley Kathleen Boone
William Thomas Jeffrey Carter
Brent Taylor Eisenbarth
Raua-Banu Kadirova
Kate Lalita Rustad

Mass Communication
Sophia Nahli Allison
Carol Anne Bono
Lily Michael Carollo
Veasey Conway
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Arshya Gurbani
Ashley Marie Hedrick
L'Erin Jensen
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Christine Scalora
Lindsie D. Trego
Jordan Thomas Wilkie
Xiaohan Xu

Musicology
Michael Levine
John Joseph Maenhout

Philosophy
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Dominik Berger
Minji Jang
Pavel Nitchovski
John Joseph Porter

Political Science
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Christian John Caron
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Amelia English Wallace
Nora Jean Weber
Tyler Robert Williams
Melanie Ann Zimmermann

Psychology
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Jennifer Lauren Buchholz
David Parry Findley
Amelia Louise Goranson
Jason W. Hannay
Douglas James Hermes
Joshua Conrad Jackson
Elizabeth Danielle Reese
Rachel Kim Sandercock
Katherine Alice Thompson

Religious Studies
Isaiah Dylan Ellis
Jessica Yeo

Romance Languages and Literatures
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Megan Anne Fenrich
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Santiago Giron Gesteira
Courtney A. Hewitt
Katherine Ruth Marie Kalivoda
Ellynn Hundley Loftus
Dario Raul Punal
Juliana A. Zabala

Sociology
Tania Jennifer Cabello Hutt
Alexis Christine Dennis
Caiping Wei

Technology and Communication
Gillian Mills Speace
Christopher Scott Thompson

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Kathryn Elizabeth Lang
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Keagan Tucker Sacripanti
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Margaret Tartala
Stephanie Marie Tepperberg
Ashley Sharmane Tucker
Grace Basinger Tuschak
Sen Wang
Stephanie Watkins-Cruz
Alyson West
Darien Alexander Williams
Mary Beth Williams
Gar Michael Yeung

MASTER OF FINE ARTS

Dramatic Art
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Michelle Bentley
Scott Joseph Billik
Erin Torkelson

Studio Art
Brittany Marie Anderson
Allison Beth Coleman
Kimberly Paige English
Sara Farrington
Joel Hopler
Lindsay Jo Metivier
Carley Zarzeka

MASTER OF SCIENCE

Biomedical Engineering
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Biostatistics
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Bryan Blette
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Cheynna Anne Crowley
Julie Dorais
Derek Ryan Gazis
Wenwen Guo
Jimin Kim
Yi Li
Yiling Liu
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Alisa Urbano
Haotian Zou

Chemistry
Ann Marie Brasacchio
Alana Frances Kurz
Yuting Filiz Lin
Christopher Chad Lloyd
Ha Hai Nguyen
Heqing Sun
Khang To
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Clinical Rehabilitation and Mental Health Counseling
Nicole Rose Barbarite
Dana Marie Cea
Caitlin Rachelle Chizmar
Alexander M. Eisenstein
Lauren Fadem
Natalie Francesca Flora
Rita Helena Glynn
Manqing He
Deepti Kumra
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Emily Munier
Amber Nicole Peel
Haley Alexandra Rognstad
Emily Ruggles
Daria Lynne Siegel
Katherine Joan Sullivan
Hafsah Ahmed Tauseef
Emily Dawn Venezia

Computer Science
Adam Muhammad Aji
Danila Chenchik
Chor Hei Ernest Cheung
Matthew Charles Cleveland
David Brian Cubler
Neil Davis
Marquis Hackett
Connor Hamlet
Biao Jia
Dong Yeop Lee
Junbang Liang
Maya Lin Najarian
Semion Andreevich Piskarev
Patrick Lee Poirson Jr.
Bhavya Deepak Vyas
Justin Alden Wilson
Ming Yang
Jeffrey T. Young

Dental Hygiene Education
Kayla Marie Cunningham
Roxanne Mariola Dsouza
Uhlee Oh
Avie Jackson Thompson Smith

Ecology
Diamond Ebanks
Molly Francis Jenkins

Economics
Siddhartha Biswas
Audrey Catherine Ford
Sasha Veronica Jade Harrison
Bennett Alexander Kobos
David Leather
Aneesh Pasricha
Steven Raybon
Sergio Restrepo
Arlynn Quinton White III
Jane Junlan Zhao

Endodontics
Daniel Crossen
Lesleigh A. Payne
Krista Hoagland Andersen

Environmental Sciences and Engineering
Gabriella Noel Gallo
Mutian Ma

Geological Sciences
Elsemarie deVries Mullins

Management
Zhiling Bei
Neha Jha
Michele Suzanne Mullaney

Marine Sciences
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Andrew Scott Hyde

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Carol Wagih Sadek

Nutrition
Kayla Nicole Boley
Jennifer Mei Lyu
Omar Abdelnaser Labib Rezk
Xiao Zhang

Operative Dentistry
Islam Mohammad Khalil Abd Alraheam

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Orthodontics
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Molly Jordan Tesch

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Statistics and Operations Research
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Yumeng Wang
Liziqiu Yang
Hang Yu

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MASTER OF ACCOUNTING
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Ross Martin Levin
Sara Ann Lindley
Matthew Brett Nereim
Christine Sondej

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Saumya Agrawal
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Jeremy Todd Evans
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William John Fediw
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Frank Fiorille
Ryan Fischer
Robert Fisher
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Michael Gabriel
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Geoffrey Glickstein
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Rajat Gupta
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Rosemary Hobbs
Andrew Charles Hoffman
David Holt
Yuki Honda
Dror Hooker
Nicole Leigh Infantino
Eric Brian Insler
Matthew James Jackson
Helene Ruth Jacobson
Sambhav Jain
Trevor William Jakubek
Ray Jang
Daniel Fraser Johnson
Justin O'Neal Johnson
Tiffanie Goings Johnson
Michelle Johnstone
Patrick Buchanan Jones
Steven Jones
Derek Kahle
Vandana Kalle
Anita Kannan
Metin Yuksel Karakus
Yoshinao Kato
Abraham Alexander Secrest Katz
Bradley Warren Keller
Byron Matthew Kelly

James Michael Kelly
Peter S. Kerr
Bernhard Kessler
Ryan Scott Kirkendall
Steven J. Kiss
Jonathan Lee Knight
Kevin A. Kohart
Tao Kong
Blake Russell Krienke
Abhishek Kumar
Patrick John Kumf
Lauren Elyse Kurz
Gabrielle Elizabeth La Force
Brian Matthew Lacy
Jillian Diane Ladegard
Shun Tung Lam
Andrew W. Langevine
Lindsey R. Lassiter
Alexandria Ledesma
Daniel Yong-Peom Lee
Ho Sung Lee
Kiwook Lee
Yongjik Lee
Matthew Perry Leitch
Daniel Lester
Isaac Leuthold
Haining Liang
Jason Scott Litel
Ao Liu
Sisi Liu
Jonathan Robert Lowe
Brooke Marie Lowrie
Geoffrey Buchanan Luke
Matthew Lyde-Cajuste
Kelly Lynch
Sean P. Maciver
Apoorav Mahajan
Joel Winston Mann
Jeffrey Mannion
Venu Madhav Reddy Martha
Thomas Kent Masich
Reid Aaron Mason
Harry Michael Motyer Masters
Tasha Anna Mathew
Townes Maxwell
Joseph Richard Mazzei
Eric William McAnelly
Christopher Ryan McCormley
Timothy James McGillicuddy
Conor Brush McGrath
Michael James McLaughlin
Bruce Bakhtiar McNair
Allan Bruno Souza Melo
Scott Lionel Mendoza
Jessica Michelle Merrill
Taylor Conway Meyer
Matthew Mildenberg
Hiroki Minami
Priyanka Misra
Ashley Stewart Mohney
Danielle Moita-Robles
Carson Kreg Monson
Ivan Montalvo
Jean Marie Montano
Erica Marie Monteith
Arthur Albert Montejano
Timothy Michael Mooradd
Tyler Patrick Moore
Brian Joseph Moran
Astrid Iris Cornelia Moresco
Leslie Anne Morton
Areti Marie Moustakis
Patrick Benoit Murphy
Yoon Ho Na
Anjanaa Sowjanyaa Nagarajan
Jachin Nahm
Karthik Hariharan Narayanaswamy
Maria Dolores Navia
Alyssa N. Neblett
Dat Kenneth Nguyen
Tanner Dat Nguyen
Jordan Nolan
Chijioge Nwogu
Christine Alberto Obana
Henry O'Donnell
Victor Olowu
Sooyeon On
Takeshi Ono
Luis Alfonso Ortiz Anzures
Phillip Paradise
Maziar Pashapour Niku
Keyur Patel
David Jamal Patterson
Emily Kirsten Patterson
Tobianne Paul
Staci Pawlak
Michael Frederick Pearson
Garrett W. Pengelly
Christina Marie Perkins
Craig Crane Perry
Kyle Diamond Peterson
Carson Tyler Pfeifer
Thu Pham
Elizabeth Pharo
Thomas Philipose
Alexander Solomon Plattner
Clinton R. Poarch
Adhiraj Chandrashekhar Poddar
Stanislav Igorovich Portnov
Nash Prince
Kevin George Queja
Ashwin Ramamurthy
Namitha Raviprakash
John Raymond
Keturah T. Reed
Nathan Grady Reeve
Richard John Rinelli
Ryan Robbins
William Clifford Roberts
Mark Anthony Robinson
Leonel Robles
Thomas Daniel Rockford
James Daniel Rosen
Yeroslavas Rudzinskas
Matthew C. Ruscio
Alireza Sadri
Andres Santizo Matheu
William E. Sargent
Kazuhei Sasaki
Hillary Schmidt
Brendan Michael Scolari
Sarah Elise Scully
Nipun Sehgal
Jeong Gon Seo
Abhinav Seth
Ariel Marie Shah
Monish Sunil Shah
Brittany Ann Shannon
Tushar Sharad
Kartikeya Sharma
Srishti Sharma
Kathryn Jean Shippey
Kelsey Elizabeth Silipo
Abhay Kumar Singh
Amanda Elizabeth Sirianni
Nathaniel Joseph Smith
Robert S. Smith
Patrick Drexel Snyder
Luv Sodha
Temitayo Sodiya
Amanda Ledford Sparks
Desmond C. Spencer
Zachary Noland Spencer
Bengardy St. Gerard
Jacob Sylvester Stallard
Jonathan Stein
Daniel Mallory Stephens
Maame Ama Stephens
William Shepherd Storrs
Giridhar Narayanan Subramanian
Sourabh Sur
Tatiana Suzuki Adachi
Ayisha Claire Dewitt Swann
Hideaki Tabata
Michael Stanton Tagliaferri
Luiza Nascimento Tavares
John L. Taylor
Nicole M. Thomsen
Christopher Kelly Tindell
Jay Tiwari
Tanner Lee Trosper
Ian Hunter Underwood

MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Aarti Utreja
Manoela Sperb Valmorbida
Vishal Varshney
Arathi Vedamoorthy
German Felipe Vega
Caitlin Anne Venable
Diego Antonio Venegas Araya
Jason Michael Vessey
Javier Vidales Sanchez
Karan Virani
Laura Virostek
Emmit Visconti
Dhawal Kamlesh Vora
Travis Vozka
Kevin Henry Wade
Scott Walker
Scott Wallshein
Hanching Wang
Xinyin Wang
Yajing Wang
Bryan Hunter Ward
Ashley Kate Watson
Robert Hunter Weaver
Wilson Hanley Weed
Kathryn Nicole Weeks
Xishui Wen
Michael Christopher West
Jonah Westcott
Max A. Wheeling
Shelton Ryan Whitley
John Whitmore
Michael David Wilburn II
Derek Isiah Williams
Ashley Elizabeth Wilson
Justin A. Wilson
Robert C. Wiseman
Timothy Patrick Wiseman
Matthew Witko
Andrea Braun Wolberg
Katherine Jane Wolfenden
Kristen Wong
Leslie Carolyn Wong
Owen Hayman Woodhouse
Spencer Gerald Wright
Mona Xiao
Jamie Sue Yang
Gregory Michael Yayac
Phillip Michael Yero
Li Yin
Stephanie Violeta Flor Yong Velarde
Federico Victor Yu
Benjamin Roy Yuen
Kathleen Roosa Zakhar
Ke Zeng
Fan Zhang
Jingli Zhu
Jason Matthew Zito

The School of Education

ESTABLISHED 1885
Dean Fouad Abd-El-Khalick

MASTER OF EDUCATION

Education for Experienced Teachers K–12
Jennifer Warren Barnett
Martha Katrice Bowsman
Jordan Marie Brafford
Jeffrey L. Burch
Jacqueline Rose Burke
Maria Heysha Carrillo Carrasquillo
Kristen Cappione Cogswell
Mary Catherine Ford
Meredith Fychok
Madeline Griep
Souyonne Haas
Rachel Haley
Cherie D. Hampton
Alyssa Hethcoat Stanley
Ida Lynn Alaniz Jackson
Janique Little
Elgin Tyler Marsh
Stephenie Anne Pruett
Taylor William Schmidt
Rustina Dawn Thompson Sharpe
Rachel Tamez
Lona Kaye Tomlin-Currie

MASTER OF SCHOOL ADMINISTRATION

Terry Applewhite
Gina Bacheler
William Henry Bettmann
Samuel Howard Brick
Ronald Dayne Carter Jr.
Elizabeth Meghan Cherba
Amy Lamoreaux Clemens
Casey Benjamin Elrod
Lina Maria Espinosa
Karen Ann Herring
Lamar Reese Otis Hill
Michelle Lynn Honeycutt
Mary Morgana Hover
Laura Beth Hoyle
Beth Harris Keefer
Jeffrey Paul Kleiber
Lauren Ashlee Lawrence
Adam Charles Lutterloh
Matthew Larry Paylor
Timothy Scott Rhue
Raymond Marcel Robinson III
Rebecca Lucille Scott
Larisa Karen Smith-Cortes
Nova Summers
Daniel Christian Watson
Katherine Pardue Whittington
Virginia Lawton Wood

The School of Government

ESTABLISHED 2001
Dean Michael R. Smith

MASTER OF PUBLIC ADMINISTRATION

David Randall Allen
Diandria Lashell Barber
Samantha Anne Bauer
Levi Kenneth Carter
Kimberly Ruth Chuckray
Mark Thomas Coggins
Anthony Alan Coxie
Travis James Crayton
Julia Pivatto Da Silva
Sarah Ross Dickson
Michael Edward Doig
Kelly Estes
Bobby Fitzjohn
Bilal J. Green
Richelle Stefanie Grogg
Allison Colleen Hawkins
Anna Taylor Hawksworth
Zachary Joseph Heinrich
Jonathan Shane Holt
Matthew Graham Hughes
Jason Lee Hyatt
Ellis Gray Johnson II
Alexandra Sara Jones
Wad Sharafeldin Khalafalla
Kevin Douglas King Jr.
LeeAnne Nickole Lawrence
Megan Massey
Emily Caroline Maurer
Matthew Thomas McKirahan
Julia Spruill McNear
Audravette Diante Moore
William Harrison Moseley
Tara Ashley Nattress
Amanda Morganne Newton
Sarah Jordan O'Brien
Joseph Robert Pierce
Leah Crouch Price
Francesca Lea Ramsawak
Thomas Griffen Rice
Robin R. Rusczak
Elizabeth Wright Seguin
Rosemary Stump
Toney Thompson Jr.
Philip J. Tonseth
Rebecca Lynne Truluck
Ashley Sharmane Tucker
Kaitlyn Rose Warren
Stephanie Watkins-Cruz
Ebony Nicole West

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF PROFESSIONAL SCIENCE

Biomedical and Health Informatics
Saba Akbar
Thomas Clark Newlin
Holli White
Fei Yu

MASTER OF SCIENCE IN INFORMATION SCIENCE

Amanda Michelle Baker
Bo Geum Choi
Sangeeta Desai
Erin Anne Dickey
Xie Dong
Moira Catherine Downey
Xueli Fan
Tabitha L. Frahm
Erin Patterson Gallagher
Yongxing Jiang
Hyeeyoung Kim
Jessica Averill Kincaid
James Councill Leak
Chengpeng Li
Lauren Kyanne Li
Mingxiang Li
Chuting Liu
Xinyi Liu
Yumeng Liu
Kehan Luo
Kelsey Moen
Jesse Broders Moore
Jaffa Panken
Fnu Saiheng
Susan Joyce Smith
Lance Stokes
Ju Shua Tan
Yawei Tang
Marler Slate Tuttle III
Lia Walberg
Qichen Yu

Yufei Zhang
Huan Zhao
Wanchen Zhao
Andi Zhou
Matthew Zimo

MASTER OF SCIENCE IN LIBRARY SCIENCE
Ellen Frances Cline
James Neil Curry III
Brianna Joelle Davis
Brenna Kristin Dickerson
Brenna Edwards
Jennifer Kim Embree
Erin Frances Maluhia Fernandes
Carson Noel Fish
Jeremy Sutton Frye
Amanda M. Girelli
Julia Holubec Gootzeit
Kelsey N. Hammer
Katherine Hayes Harrell
Christopher Corey Haydock
Matthew Weirick Johnson
Mary Abigail Kallem
Amelea Kim
Aubrey Klein
Kahlee Elizabeth Leingang
Heather Leigh McGowan
Lauren Murphree
Hannah Laurette Noel
Jennifer R. O'Bryan
Fannie Huang Ouyang
Emma Catharine Parker
Katharine Whitney Ray
Samuel Robinson
Jenni Royce
Dena Schulze
Jessica Lee Serrao
Alyssa Ann Spoonts
Beth Morris Weiss
Julia Grace Zoltners

The School of Law
ESTABLISHED 1843
Dean Martin H. Brinkley

MASTER OF LAWS
Sang Yoon Bae
Hira Fatima
Ntombizodwa Mukondiwa
Ricardo Javier Rojas-Gaona
Luna Sabbah
Ritu Madhavi Vellanki

The School of Medicine
ESTABLISHED 1879
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DOCTOR OF AUDIOLOGY
Samantha Lee Baker
Anna Katharina Boyce
Lisa Joyce Copeland
Megan Eleanor Frey
Melanie Kay Frost
Shauna Jean Pearson
Jordan E. Potosky
Emily Spitzer
Jasmine Patterson Wilson

DOCTOR OF PHYSICAL THERAPY
Julie E. Coats
Takumi Kato

MASTER OF CLINICAL LABORATORY SCIENCE
Kameron Matthew Bright
Michelle Renee Campbell
Lauryn Taylor Fair
Ariana Andrea Najera
Enzo Sansoni Palma
Kalyani Tawade

MASTER OF PROFESSIONAL SCIENCE

Toxicology
Joshua Michael Roaf

The School of Nursing
ESTABLISHED 1950
Dean Nilda Peragallo Montano

MASTER OF SCIENCE IN NURSING
Taylor Thomas Addis
Carrie M. Albert
Corinne Marie Arundell
Emily Kurzon Baker
Lindsay N. Barnette
Sarah E. Bartlett
Alicia Bayse
Christina Newman Bitzenhofer
Leah Marie Blaney
Madalyn Beth Bost
Stoney Bowman
Kassondra Amada Shoemaker Brino
Camille McCutcheon Buchanan
Casey Burnette
Susan Hines Caceres Araya
Molly Helen Chadbourne
Kimberly Lynn Chavis
Jennifer Louise Collins
Adam Keith Combs
Julia A. Cook
Shannon Dorothy Couture
Natalie Hill Davis
Edward John Deering Jr.
Jamie Crystal Diner
Anne Garland Fitz-Hugh
Brooke Ashley Fogleman
Abby Frey
Meera Ramesh Ganatra
Carisa Gidel
Pushpinder Kaur Gill
Trixy M. Headden
Kimberly Jean Holzmacher

Shelli Marie Hoyes
Brittany Leigh Hudson
Diane Hudson-Barr
Marian Hunckler
Dallas Welborn Hurley
Kimberly Ann Hutter
Sonya Renee Isler
Megan Bost Johnston
Devon Michelle Kerner
Caroline Marie Kraft
Jasmine A. Levy
Jacob Edward Lundorf
Kelly M. Mahoney
Genevieve Ann Mancini
Jennifer Hall Massengill
Gabriel Eric Montague
Brandon Lee Montana
Juliette Montauk
Casey Bulow Murray
Isaac Yaw Boadi Nuamah
Roseline Obiageri Nwadigo
Patricia-Marie Edge Odom
Tina Nnenna Ohuche
Angelica Ortiz
Elise Tierney Payne
Mary Therese Phelan
Amber Burnette Pope
Lauren Michelle Quibodeaux
Jacquia Aprale' Randson
Erin Claire Richardson
Melissa Ann Ridings
Amy Lynn Riggleman
Jeffrey Thomas Riorden
Taylor Leigh-Ann Rippy
Clarence David Runnels III
Elizabeth Williams Slater
Ashley M. Smith
Christin Juel Smith
LeKeishia Michelle Staton
Kathryn Jeanne Steinheber
Caroline A. Strazis
Briana Renee Sullivan
Stephanie Jean Tisdal
Heather Triplett
Caroline Sifford Waller
Jennifer D. Ward
Megan M. Weese
Sophia Sadat Younts

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION

Lauren Leree Ahlers
Benjamin Riley Bushman
John Quayle Cannon
Jillian Marie Cauwels
Megan Chambard
Oluomachukwu Sterling Chukwu
Geard Charles Fossett
Nicolas Felipe Hernandez
Andrew Ho
Megan Victoria Jarrell
Lauren Jordan
Ao Liu
Jordan Walker Massey
Monica Mazzoli
Britta Albina McCombie
Brett Donovan Pinnix
Tiffany P. C. Randolph
Dharitri Yogeshkumar Shah
Carly Sherrod
Steven Anthony Tew
Casandra Delaney Thomas
Joseph Hobbs Warburton
Robert James White

MASTER OF PUBLIC HEALTH

Biostatistics

Heejoon Jo
Huanhuan Meng

Epidemiology

Manuela Maria Bullo
Martina Gaggl
Laura Brooke Higginbotham
Aaron Philip Mitchell
Tetsu Ohnuma

Health Behavior

Kaitlyn Atkins
Allison Marie Balmes
Cherese Nicole Beatty
Joshua John Boegner
Kendra Lynn Braudt
Elizabeth G. Cassidy
James Coleman
Channon Conner
Obinna Emmanuel Daniel
Alexandra Dest
Emily Marie Donovan
Alyse Vail Dorman
Adeline Elise Dorough
Caroline Ruth Efird
Michelle Bo Gonzales
Emily Adams Green
Hanaleah Hoberman
Lindsey Nicole Horrell
Tzu-Ming Huang
Shynah James
Julie Michelle Kafka
Amanda N. Kotey
Melissa Luong
Meagan Rebecca Meekins
Alexandra Munson
Megan Peters
Deren Vance Pulley
Emma Richard
Shelby Maria Rimmler
Meagan O'Neill Robichaud
Claire Jon Sadeghzadeh
Nikhil Sanon
Lauren Margot Schein
Sharon Ashley Schultz
Brittany Schwartz
Sarah Elizabeth Shaughnessy
Jaclyn Shea
Varsha Sureshkumar Subramanyam
Leah Katc Taraskiewicz
Stephanie Marie Tepperberg
Reana S. Thomas
Hannah Marie Tuttle
Candace Anisa Vance
Hayley Welgus

Health Policy and Management

Amber Monique Bivins
Rebecca L. Gittelson
Lauren Kelly Green
Kirsten Elizabeth Leloudis
Michelle Joette White

Maternal and Child Health

Jenny Ora Anand
Resham Basnet
Kristin Bergman
Anna Louise Bernstein
Heather Elizabeth Biehl
Daijah Street Davis
Marwa Abdelmoneim Elnagheeb
Mikaela Nerea Freundlich
Tanya Rehmat Ghaziani
Caroline Gaither Heller
Ellison Henry
Raney Elizabeth Lee
Katherine Helen LeMasters
Katherine Scott Lewandowski
Lauren Yu-Lien Maldonado
Alison Marie McClay
Jenna Draper McCready
Fekir Negussie
Sarah Neil
Dianna Paula Padilla
Iman Saleh
Brianna Marie Salmon
Alexandria Marie Sanchez
Amy Kristen Shadron

Nutrition

Meredith Gentry Lasater Byrd

Public Health Leadership

David Anthony Allan-Matheson
Pamela Renee Brown
Jonathan L. Chang
Theodore John Cieslak
Natasha Renee Collins
Belinda Pung Ear
Stephen Albert Eaton
Ebehiwele Ebhohon
Seyram Susan Fudzie
David Garcia
Gabriele Gardenal
Leah Brooks Herity
Jillian Urban Hobson
Anna Marie Hoffmeyer
Wesley M. Jackson
Shaundreal D. Jamison
Mwanza Kasambay
Renee Georgia Stephanie Kleris
Samuel Aaron Lazoff
Breanne Lesnar
Seidu Malik
Joanna Miranda Marroquin
Colin James Orr
Christina Michele Palazzo
Claudia Elisa Pamanes Duran
Kristin Reed
Emily L. Rossi
William Schreiner
Maria Johanna Melanie Schubert
Alexi-rae Ellington Webb
Nae Yeon Won
Jonathan Doo Young Yun

MASTER OF SCIENCE IN CLINICAL RESEARCH

Charles A. Austin III
Yun-Chen Chiang
Katherine Shoush Cools
Michael Kevin Dougherty
Kimberly Fryer
Kamal Henderson
Brianna M. Lyttle
Craig Conover Reed

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Charles Newell Cofield
Elisabeth Anne Rehak
Imaan Taghavi

Rebecca B. Wentzel
Gar Michael Yeung

MASTER OF SCIENCE IN PUBLIC HEALTH

Environmental Sciences and Engineering
Mahnoor Baloch
Blake Fulton
Alexandra Noelle George
Emily Jane Jewell
Lauren Kelly Joca
Peter Kane
Meghan Miller

Epidemiology
Christina Michelle Nichols
Mya-Lee Roberson
Melissa Ann Stockton
Kelsey Marie Sumner

Health Behavior
Elizabeth Nicole Orlan

Health Policy and Management
Miriam Monique Aziz
Eileen A. Baca
William Scott Bayliss
Lesley Eva Bristol
Jessica Taylor Broadus
Kathryn Lee Buckland
Eun Kyo Cho
Alina Nadira Clarke
Andrew William Elkins
Khaylah Rosalind Epps
Krystal Gail Garcia
Zaire Symone Graves
Colleen Rose Higgins
Kathleen Elizabeth Knocke
Holly Anderson McDonnell
Katelyn Clark Mote
Dmitriy Nikitin
Precious Eberechukwu Ogbuefi
Eun Young Oh
Christina Elizabeth Simpson
Christina Amber Smith
Caitlin Anne Venable
Dennis Di Xuan
Carol Jisseth Zarate Ardila

The School of Social Work

ESTABLISHED 1920
Dean Gary L. Bowen

MASTER OF SOCIAL WORK
Franklin Downing Allison
Marit Elizabeth Barber
Jessica Ann Barner
Markela Ma'Sha Batts
Helen Rhoads Bellows
Dorothy Alice Blake
Maya Florance Blumenfeld
Kadeisha Mariah Bonsu
Stephanie Boris
Hannah Elizabeth Boyd
Sarah Elizabeth Boyette
Amelia Lyn Brenner
Lena Christine Brown
Nathan Brunson
Christopher Aaron Burner
Carissa Carol Campbell
Josephine Peggy Carmona
Caroline Ritchie Carrison
Allene Olivia Carter
Katie Lynn Catton
Samuel Guy Cecelski
Luisa Beatriz Pereira Cesar
Emily Evans Chambliss
Isabel Helen Chasse
Bethany Collins
Tyrek Tormaine Corry
Marlowe Eliza Crews
Julia Pivatto Da Silva
Chanequa Lynee Davis
Meredith Alyssa Davis
Caroline Frances Deal
Sarah Macht Dergins
Karlee Jerann Deshazer
Sandra Harthan Devoid
Claire Dickson
Padma Doobay
Rebekah Catherine Dorris
Sue Emily Elliot-Bearce
Rachel L. Fisher
Kyle Patrick Flannelly
Meinkeng Nteza Fonge
Cassidy Ruth Fox
Samantha Jo Fox
Yazmin Garcia Rico
Robert Neal Garland
Amanda Joy Gillespie
Crystal Parker Grant
Kathryn Hummon Grantham
Stephanie Durham Griggs
Brianna Kristin Haferman
Jerome Boyd Hallan
Kathryn Abigail Hamrick
Michelle Herman
Katherine Bess Hilbinger
Nina Honeycutt
Julia Rachel Howland-Myers
Stephanie Huffman
Sydney Somers Idzikowski
Melissa Renee Jenkins
Morgan Marion Jeter
DeShanna Latrice Johnson
Sarah Bracey Johnson
Abigail Michelle Kalainikas
Christine Kimball
Eleanor Susan Lee
Hailey Nicole Leiva
Erica Lindenberg
Amber Dawn Litka
Alexandra Yanacek Lowrie
Kristy Lynette Mabe
Jessica Martinez-Matamoros
Caterina Rose Marzella
Maura Jean Matney
Brenna J. McColl
Dielle Charon McMillan
Brooklyn Skye Milner
Travis Moe
Grace Molloy
Nneka Molokwu
Joni Marie Moody
Paris Jeanette Murray
Meredith Eve Odinak
Mary Katherine Palmer
Jodi H. Pardue
Meredith Christine Parker
Hannah Elizabeth Pavcik
Sarah Elizabeth Phillips
Destinee Pray
Spenser Rae Radtke
Gwyndolyn Anne Raisner
Allison Ruth Ruel Rella
Katherine Lynne Salmons
Holly Lee Shih
Elizabeth Rae Sielatycki
Robin Irene Sikes
Isabella Morgan Slade-Ilaria
Nancy Caroline Solberg
Rajiv Lim Soni
Laura Elizabeth Spencer
Taylor Lynn Starns
Ashley Nicole Stephens
Rachel Stern
Lisa Beth Stevens
Douglas Ian Stoll
Taylor Wells Sweeney
Thompson Rice Bertschy Teagle
Laurel H. Tobias
Kada Jo Unwin
Madeline Waife
Brittany Michelle Walker Anderson
Jaime Lisk Weatherly
Lynn Seay Wetherbee
Will Walter White V
Lindsay Jane Wright
Abigail Joy Yoder

CANDIDATES *for* BACCALAUREATE DEGREES

May 2018

The College of Arts and Sciences

ESTABLISHED 1795

Dean Kevin M. Guskiewicz

BACHELOR OF ARTS

African, African American, and Diaspora Studies

Jada Shalome Baker
Anna C. McQuillin*++
Mahogany A. Monctte*
Amukelani Sihle Muyanga*+
Cory Justin Nicholls
Destinie Abria Pittman
Maxine Lashonda Richmond*
Hilda Ama Tetteh-Ocloo
David Edward Walker Jr.

American Studies

Emma Elise Barthold
William Townley Christoffersen*
Sarah Costello Dwyer
Macey Elizabeth Fairchild*
Christopher Michael Garcia*+
Kaitlin King
Mackenzie Lynn Kwok*+
Harley Devon Locklear
Taylor Kristen Marks
Sidney Nikole McCurry
Diana Mellow*
Abigail Rebollo
Mary Katherine Rodenbough
Madeline Alice Sweitzer-Lamme*
Morgan Paige Vickers*+
Emily Katherine West*

Anthropology

Noa Liana Allen
Yasmin Amini
Lindsey Katherine Arata*
Caleigh Morgan Bachop*
Rachel Anne Bailey
Sarah Benecky*+
Bailey Drennan Brislin
Maya Brooks
Chloe Brown
Lin Cao*+
Zakiyyah Carter*
Stephanie L. Chang
Tionja Jeanette Elizabeth Crumpton
Christina Lyn Darguzas
Chelsea Taylor Douglas++
Rhiannon Sophia Faith
Karen Elizabeth Fowler
Amber Nicole Fulford*
Kaitlyn Joy Fulp
Kaitlyn Nicole Gales
Isaac Galton*
Madison Naomi Grover
Norman Russell Hamre
Ryan David Haughney*
Olivia Highfill
Marza Meri Hill*
Kathryn Hobbs
Melanie Elisabeth Hofmann
Katherine Margaret Huber+
Jonathan Ngoc Huynh
Emily Catherine Jarrett*
Alexandra Johnson*
Joel David King*
Madelyn Elizabeth Krebs
Hannah Rae Krowka
Ad Watts Lane*++
Sydney Christine Lockhart
Christopher Lopez
Taylor Matthews
David Kenneth McCampbell
Amanda Morgan McMenemy
Cassie Merrill
Doreen Edith Biyinzika Nalyazi
Arthur Nicolas*
Caroline Elizabeth Owens*++
Jennifer Ann Pabst
Holly J. Plouff*
Grace Ricks
Dana Caroline Robbins
Patrick John Ryan
Madeline Marie Skeith
Elsa Rhett Steiner*
Madison Stevens*
Lauren Elise Strickland
Katherine Caby Styers*++
Pragna Sutrave*
Wesley Bryant Thompson
Mary Elizabeth Triplett*
Jose Alejandro Villard
Joshua Allen Walker
Kiya Walker
Anissa Nichole Williams
Haejung Yoon
Zada Zhong

Archaeology

Rudolph George Banny IV
Stephanie Grace Grant*
Emily Rose Gray*++
Lacey Elizabeth Hunter*
Joel David King*+
Alix Mariel Kozin
Robert Altom Cesarini Lyerly*

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

HONORS CAROLINA

Honors Carolina is an outstanding collection of courses, special events, and learning opportunities geared toward the top students at Carolina. It is the University's way of investing in exceptional undergraduate students by providing academic and non-academic challenges and opportunities, both inside and outside the classroom. Honors Carolina students receive priority registration for more than 160 Honors courses each year. These are small classes, taught by professors who encourage classroom discussion and hands-on research.

Students who wish to graduate from Carolina "with Honors" or "with Highest Honors" must complete a senior honors thesis project in their major field(s) of study. Such students need not have been members of Honors Carolina. They must, however, meet academic eligibility standards set by Honors Carolina and the individual departments, curricula, and professional schools that sponsor senior honors thesis programs. Senior honors thesis students must complete an original and substantial research, performance, or creative project under direct supervision by a faculty advisor. Upon the completion of their projects, students must pass an oral examination or other appropriate form of evaluation.

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Carson P. Massey
Brendon Connor Murray*++
Michael Parke Navarro
Joshua Memo Sanders
Bryan Towers*
Kirstyn T. Waller

Art History
Adelle Prior Bortz*
Emily Ann Edgerton*
Samantha Rachel Galina
Grace Han*
Ori Erna Hashmonay*+
Jeremy Matthew Howell*
Agnes Coyla Jackson
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Kathleen Andre
Stanley Arnaud
Luke Ammon Paul Athans+
Catherine Grace Baldridge

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++ *Indicates Highest Honors recipients.*

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Sarah Leck
Rachel Lempp*
Elena Lenis-Zuluaga
Kaitlyn Lightfoot*+

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Marlee J. Wynn
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Rebecca Elizabeth Kenney*
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Hannah Marie Dent*
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Faith Joanne Jeffers*
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Elaine Marie King*
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Vincent Yin-Yang Lo*
Courtney Paige Lobinsky
Mary Scott Lowery*
Willis Y. Lu*
Emily Anne Mace
Ryan Tyler Macri
Alexander Magee*
Elizabeth Allen Mainous*
William Jason McBride
Patrick Scott McKinley*
Shubhang Tushar Mehta*
Saif Mehyar*
Elena Carolina Mendoza
Kavya Lakshmi Menon
Victoria Larson Mitchener*
Anthony Tyler Morra*
Luke Baldwin Morrel
James Evan Blair Mozingo
Ian Wanjohi Muriuki
Madison L. Murphy*
Paolo Alexander Lugue Narag*
Shea Leigh Neville*
Ryan Michael Nunn*
David Francis October*
Peyton E. Oldenburg
Daniel Champion Parks*
Alisha Radhika Pasi*
Priyansh Ujas Patel
Neil Pathak*
Connor Wansley Patterson*

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++ *Indicates Highest Honors recipients.*

Brad Pehr*
Ethan Peikes*
Jonathan Thomas Perron*
Caroline Anne Pevonka*
Yakel Emilio Pina*
Parker L. Place*
Madison Nicole Pontrelli
Courtney Ann Popivchak*
Amila Porobic*
Marjorie Suzanne Primm*
Matthew Ragusa*
John Ramirez
Anyssa Dianne Reddix
Remington Rebsamen Remmel*
David A. Rento*
Morgan Neva Bonebrake Rice*
Sara Christine Rich*
Erica Rae Richardson*
Sophie Susanah Riegel*
James Austin Rippey*
Caroline Carswell Ririe*
Micah Sloane Rogers
Isabel Margaret Romano*
Caitlin Ann Rosica*
Colin Joseph Russell
Grant Tyler Schietinger*
Thomas Joseph Schmidt*
Rachel Jaimes Schomp
Amanda Grace Schroeder*+
Matthew Sclafani
Kenneth Joseph Selmon
William Francis Senay
Richa Shah
James Holden Shearin*
Allison Brittain Shell
Nikhil Shivdasani*
Ian Robert Siegal*
Ryan Patrick Silk*
Navdeep Singh
Sabrina Singh
Arnav Kumar Singla*
Juliana Clare Sirois*
Andrew Fickling Skinner
David Reeves Sloan
Susannah Grace Smith
Amanda Leigh Spalding*
Alexander Harrison Stephenson*
Austin Roebuck Story
Julianne Strickland*
Grant Stroehlein*
Eric M. Tai*
Charles Dana Talcott*++
Anna Joelle Taylor*
Caleb Andrew Taylor
Christopher Edward Thomas*
Eric Anthony Thompson*
Shannon Marie Thompson*
Nicholas Basem Toma
Carson Lee Tomlinson
Eric Tomlinson*
Brock Andrew Toner
Tyler David Tonnesen*
Summer Lane Travis*
Irina Trenkova*
Nicole Elizabeth Trupiano*
Wade Houston Tuttle
Pearce Michael Veazey*
Sneha Venkatraman*
Vishesh Verma*
Elizabeth Louise Vilmar
John Leslie Walker III*
Wesley England Wallace
Francis Xavier Walsh III*
Chen Wang*
Zhikang Wang*
Robert Thomas Watts*
Catherine Marie Wellen
Brenna Lynn Welsh*
Jenny N. Wheeler*
Emma L. White*
Christine Elizabeth Whitty*
Seth Alexander Wilson
Elice Han Wu*
Elisabeth Wurmser*
Ryan John Wydra*
Maksim Yakovlev*
Caroline Elizabeth Yevak*
Yen Kwong Yoo*
Jenny Catlin Young
Robert Glenn Young*
Anna Claire Zechel
Zhaoming Zhang*
Steven Zheng*
Jason Scott Zwierzynski*

The School of Dentistry

ESTABLISHED 1949
Dean Scott S. De Rossi

BACHELOR OF SCIENCE IN DENTAL HYGIENE

Minerva Ayala Lara
Hannah Elizabeth Baldwin
Austin E. Beasley*
Emily Adele Boone
Rikki Lynn Bradley
Caroline Jane Brown
Stevey Ann Cline
Halle Dohman
Caroline Elizabeth Dunham*
Ashley Lauren Gregory*
Hayley Merrell Hall
Kelsey Lauren Hayes
Da'Vette Sierra Johnson
Caroline Paige Joyner
Adriana Jacoba-Leigh Lambert
Halee Ashton Lamm
Melissa Kimberly Murbach*
Ezinwa Chinaenye Ozoma
Nataly Sarria
Julie Anne Scaggs
Kensley Blair Still
Emily Jane Turner
Chelsey Thompson Whitaker
Lucy Xiong*
See Xiong
Jaeyoung Yoo
Jingyi Zhang

The School of Education

ESTABLISHED 1885
Dean Fouad Abd-El-Khalick

BACHELOR OF ARTS IN EDUCATION

Human Development and Family Studies

Ana B. Araysa-Rivera
Anthony Scott Aswad+
Brittany Nicole Butts*
August Lynn Coggins*
Barbara Susanne Cronin
Shelby Rae Davis*+
Girolamo Joseph Finazzo*
Mary Maxton Fowler
Logan Anna Hartley*
Madison Lea Jackson*
Marissa Layne Jackson
Jennie Laine Lugten
Margaret Morrison*+
Sarah Grace Patton
Hannah Elisabeth Pegg*
Laura Michelle Perrotta*+
Danielle Carol Porco
Natalie Morgan Radford*
Alaya J. Reynolds
Meghan Paige Sawyer*
Mary Claire Scanga*
Alexandria Ada-Marie Smith*
Olivia Renee Somerville
Donna Katherine Spring*
Gabrielle Patricia Thifault*
Hannah Thomas*+
Zoe Kennedy Warner*

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE

Rabia Abbasi
Damola Ayomide Ajao
Victoria Bailey
Philip John Berg

Dorothy Lee Blyth*
Reagan Elizabeth Cline*
Ryan W. Collette
Kyle Coniker*
Collin Raymond David
Jennifer Davidowitz*
John Carswell Dockery
Jordan Nicole Dodson
Christopher Douglas Donahue*
Erin Margaret Donehoo
Jaquan Deandre Dozier
Kyle Matthew Ellison
Axel Escarcega Mendiola*
Justyn Bernard Felder
Melissa Fu
Ga Kay Gao*
Caroline Goray*++
Chloe Beatrice Green
Jessica Arden Head*
Charles Michael Higgins
Jacob P. Hoertt
Madeline Lee Hoskins
Trevor Jackson Huffstetler*
Kiet Tuan Mai Huynh
Christiana Julia Ayscue Jarrett*
Ahmed King*
John Patrick Kleissler
Alexander L. Krupa
Logan Clark LaFata
Zihao Li*
Zachary Thomas Lund*
Sarah Elisabeth Marriott*
Xiaoqian Niu*+
Juwan Kenji Parks
Foram Kamleshkumar Patel
Connor Jeffrey Paul
Darisee Peebles
Carson Nicole Pence
Gabriela Elizabeth Phillips*
Daniel Pureco
Marissa Alexandra Rapaport
Sarah Elizabeth Rossi*
Kelsey Anne Supple
Ryan Theurer*+
Cassandra Vazquez
Kara Walker*
Steven Liuh Hwan Wu
Chudi Zhong*

The School of Media and Journalism

ESTABLISHED 1924

Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM

Julia Reynolds Faulkner
Lauren Jungsu Hong*
Addison Quinn Lalier
Harrison Miller
Meghan Gray Siegmund
Lindsey Diane Welch

BACHELOR OF ARTS IN MEDIA AND JOURNALISM

Macy Landyn Abernethy
Barbrianna Adams
Elizabeth Miran Adkins
Jessica Lauren Allen
Ernesto Ozdemir Alvarez-Pamir
Jessica Tiffany Amberg*
Da'Jah Anderson-Huff
Charles Dominic Andrews II*
Christopher Paul Antonello*
Catherine Michelle Armstrong
Stanley Arnaud
Joseph Michael Aunce*
Kayla Michelle Aves*
Rashaan Monzer Ayesh
Catherine Marie Ball
Olivia Marie Ballard*
Jennifer Barber
Alison Elizabeth Bard
Jessica Lane Baucom
Paul Alexander Beam
Patricia Anne Belk*
Alexis Bell
Copelyn Shaw Bengel
Hannah Pelton Bensky*
Mary Berra
Abigail Macon Betts
Alexandra Nicole Blackburn
Georgeanne Dozier Blackerby*
Alexandra Rose Blazevich*
Samantha Heather Blum
Christiana Louise Boals
Sashidhar Bodavula
Emily Graham Brice*
Tanner Alexis Brice
Rachel Catherine Bridges
Savannah Marie Britt
Kelsey Lauren Broussard
Caroline Cay Brown*
Olivia Marie Buffington
Mary Rachel Bulkeley
Dara Elizabeth Burg*
Veronica Antoinette Burkhart*
Mary Corbin Bolles Burlingame*
Travis Dwayne Butler
Emily Drake Buxton*
Christopher Wayne Cannady
Alessandra Mia Carlton*
Kristina Centenari
Carter McNair Chambliss*
Peyton Andrew Chance*
Michelle Chang
Carolina Chao
Janna Lee Childers*
Courtney Alexis Cho*
Robert Laurence Christiansen
Evan Michael Chronis*
Cameron Church
Madison Coffing
Kiana Marie Cole*
Stevie Coleman*
Chandler Jenay Coley
Elizabeth Ann Comtois*
Natalie Anne Conti*
Jamie Noelle Cook
Taylor McKenzie Cook
Jarrett Taylor Corder
Christopher Gene Cotillo
Matthew Briant Couch
C. Jackson Cowart
Earl Hampton Crumpler III*
Nghia H. Dang
Ellen B. Dannenberg
Devyn Breeon Davis
Lidia Davis*
Seth Gabriel Davis
Hanna Angeline Davison*
Timothy Macarthur Daye Jr.
Emily Deason*
Cole Van Buren Del Charco
John Depass
Sofia G. DeWulf*
Kathleen Elizabeth Dixon
Morgan Elizabeth Donnelly*
Eliza Margaret Duckworth*
Ali Brockenbrough Dunlap*+
Diandra Anna-Kay Dwyer*
Brenna Elizabeth Elmore*
Kyle Jiayou Eng
Alexis Fairbanks*
Lauren Ashley Farrington*
Clara Margaret Femia*
Sierra Lauren Fender
Macie Leeanne Flynn
Kathryn A. Ford
Halle E. Frain*
Ana Cecilia Rodriguez Franzoni
Ketterly Alissa Frauenfelder*
Tiffany Elise Fuller
Alexandra Whyte Gailey
D'Angelo Gatewood
Jessamine Belle Gaul
Alexis Danelle Giannattasio
Paola Melisa Gilliam
Kristen Linn Goldberg
Mary Alexandra Gorry
Heather Marie Grace*
Emily Margaret Gray
Kaitlyn Blair Green*
Abigail Elizabeth Greene*
Rachel Greene
Allison Marie Griffith*
Samantha Taylor Grimm*
Kathryn Rose Guild
Jamie Leigh Gwaltney*
Anne Marie Hagerty
Brianna Lee Hales*
Jacob Aaron Hancock
Jada Harkins Andrews
Hans P. Harlacher
Caeli Morgan Harr
Alexandra Bettina Hehlen*
Brooke McKenzie Helton*
Brianna Gabrielle Henriquez
Ryan Herrera
Isabel Virginia Herring
Holly Nicole Hicks*
Jordan Elizabeth Hinson*
John Francis Hogan III
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Elise Victoria Holsonback
Megan McGee Hoolahan
Rachel Horowitz*
Jermani Horton
Hannah Hudson
Thomas Nelson Hughes Jr.*
Cara Leah Hutto
Bailey Nicole Inglis
Ana Maria Irizarry
Marjorie Hilliard Isiminger
Gloria Elaine Jing*
Allison Leslie Johnson
Jackson Warren Jones
John Francis Joyce
Alexis Brooke Juarez
Lindsey Ellen Kehres
Hannah Suyun Kim*
Michael Andrew Koh*
Rachel Lynn Kompare*
Alana Madison Koontz*
Karli Elizabeth Krasnipol
Rebecca Kronebusch++
Emily Kupec*+
Bryson Carl Lapping
Hannah Jayne Lee
Rae Hyun Lee*
Trevor Lenzmeier

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++ *Indicates Highest Honors recipients.*

Louis Ross Levin
Shelby McCoy Light*
Parker Anthony Lindenmuth
Jonah Brian Lossiah
Dean Elliot Lovett Jr.
Alexandra Jane Lowder
Margaret Dare Luck
Kristen Luft
Nina Lockwood Luker*
Vanessa Luo
Isabella Marie Lupoli*
Kendall Vaughn Luton
Emily Ann Magnus*
Kelly Marie Mahoney*
Dario Malave
Jacob Alexander Manring
Kristen Michelle Marino*++
Tierra Monique Marsh
Jacqueline Marie Martinez
Meredith Nicole Martinez*
Kelsey Mason*++
Keegan Seth Matheson
Jacqueline D. Matter
Vanessa Catherine May
Jacqueline Lindsay McConnell
Georgia Jones McCoy
Haley Abigail McDougal*
Calum Ross McGuckin*
Nicola Elizabeth McIrvine
Caroline Davis McKinley*
Chandler Davis McKinney*
Katherine Diane McMonagle
Cheyenne Brooke McNeill
Bryn Melanson
Lillian G. Mercho
Benjamin Ellis Merenbloom*
Anica Kirstina Lynn Midthun
Lauren Claire Miller*++
Allie Kristin Mobley*
Jack Wesley Molloy
Lauren Elizabeth Grace Moody
Kandis Joelle Morgan
Molly Grace Morgan
Andrew Meyer Morgenstern
Austin Turner Morrel
Austin Joshua Moses
Margaret Baxter Mouat
Christen Candice Murphy*
Shruti Nanjappan
Katherine MacDonald Nash*
Lydia Phillips Neill*
Conner Duffy Nevel
Lindsay Paige Nevitt
Morgan Alexis Newell
Bryana Bao-Anh Nguyen
Raven Joi Norton
Erica Danielle Oakley
Marissa Marguerite O'Neill*
Veronica Ortega*
Branden Keith Otis
Anna Marie Overton
Jake Michael Pacheco*
Samantha Taylor Paisley*
Gabrielle Grace Palacio
Alexander Michael Pardue
Elizabeth Sumner Park
Elisabeth Elaine Parker*
Kylee Elizabeth Parsons
Elizabeth Campbell Payne
Elise Pericles
Kristi Leigh Piechnik*
Alexandria Marie Pinon*
Caroline Marie Pirozzolo*
Abigail Hooper Pressley
Cynthia Janeway Price*
Celeste Venable Pritchard*
Elizabeth Anne Proctor
Maria Ellen Prokopowicz
Alexa Pursley
Seth Carter Pyle*
Elizabeth Efird Raby*
Davis Rhodes
Rachel Katherine Rhodes*
Kathleen Virginia Rice*
Stephen Dean Rich*
Rebecca Blake Richardson*
Grace Ricks
William Stephen Rierson
Elizabeth Paige Roberts*++
Caroline Rodriguez
Isabella Christina Rossi
Megan Royer
Sydney Rose Sapir
Emily Ann Sasser
Henrietta Marie Schlaeger*
Samantha Marie Schneider
Rachael Elizabeth Scott*
Mackenzie Lynne Self*
Elijah Gabriel Setzer*
Kirsten Leigh Sharpe*
Sarah Susan Sharpe*
Hollie Dominique Shelton
Jakob Patrick Siebold*
Philip Allen Simons
Emily K. Slabe
Gwendolyn Renee Smith
Jackson Brian Smith
William Blanton Smith
Elle Sommerville*
Madeline Reed Stefan*
Katelyn Nicole Stephens
Lily Louise Stephens*
Madison Stevens*
Anna Lee Stone
Megan Christina Stout
Micah Christine Stubbs*
Sarah Eva Thomas Sturdivant*
Jacquelyn Pauline Swan*
Jessica Leigh Swanson
Lauren Marianne Tarpley
Allison Somers Tate
Sloan Hampton Taylor*
Elissa Rachel Tew
Rachel Alexandra Thomas*
Lindsay Warrington Thompson*+
Lydia Alexandra Tolley
Jordan Angier Townsend
John Tyson Jr.+
Jose Manuel Valle-Alvarado
Kathleen McKenna Van Gurp
Nicole Sari Vandiford
John Matthew Vollmer
Madison Lyn Walls*
Alma Caroline Washington*
Niki Wasserman*
Kyle John Werner*
Molly Noel Weybright*
Richard Scott Wheeler*
Haley McFadden White*
Benjamin West Wiggins
Emily Leigh Wilkinson*
Sarah Elizabeth Willey
Avery Hannah Williams
Mela Matrice Williams
Marques Keith Wilson
Meredith June Wilson
Hannah Leigh Winegar*
Jessica Paige Winesette*
Jasmine Juhee Won
Hannah Colette Wood
Justin Curtis Wynn
Marlee J. Wynn
Allison Elizabeth Yates*
Mary Catherine Young*
Emily Annie Yue
Jessica Zhang*
Ruijia Zhang*

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE

Curtis Glenn Benson*
Rachel Claire Berry
Jessica Irene Beynor*
Jin Chen
Caroline Anne Conrad
Brenna Leigh Farrell*
Toritseju Kpenosen*
Mary Ann Le*
Rosa Eunbi Park
Neil Kishor Patel
Mayela Jazmin Peralta-Alcon
Roa Yacoub Saleh
Courtney Riis Santos*
Nicholas Share
Yoonha Shim*
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Vera Valentinovna Tobola*
Jessica E. Toney*
Ellen Jordan Tuck*
Laura Claire Wiser*
Jiaxuan Xu*

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE

Katelyn Blaire Crabtree*
Hannah Nicole Dismuke*
Veronica Christine Dziuk*
Markella Elayne Embree
Cassidy Laine Johnson
Chenoa Alys Locklear
Jennifer Elaine Louya*
Ashleigh Miller
Meek Myoung*
Kenneth Lee Whitt

The School of Nursing

ESTABLISHED 1950
Dean Nilda Peragallo Montano

BACHELOR OF SCIENCE IN NURSING

Erika Nichole Adams+
Harry Russell Adams*++
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Jacklyn Nicole Balliot*+
Morgan Elizabeth Barnes*++
Kimberly Ellis Barron
Huili Wang Becker*
Megan O'Neill Beebe
Carol Anne Benson*
Sarah Jane Bigelow*+
Cody Alexander Blanton*
Matthew George Blanton*
Lilian Guadalupe Bravo*+
Lindsey J. Bren
Emily Ann Briggs*++
Kelsey Brookreson
Abigail Burroughs*+
Virginia Quinn Campbell*
Gabrielle Yvonne Capps*
Lauren Martina Chisdock*
Tahiti Shahin Choudhury
Anna Ridgely Clemons*

Lauren Rose Colberg*
Julia Scott Connelly
Anna Nicole Cornatzer*
Seth Mitchell Cox
Edna De Luna
Nicole Ashley Defreitas*+
Francis Dela Cruz
Megan Marie DeLugas
Yangmei Deng*
Allison Karen DeSarro*++
Cassandra Marie Dictus*+
Ndeye Codou Dieng*
Alexis Dillon*
Erica Danielle Dismang Nyika*
Jordan Bey Donnelly*
Lauren Nicole Douglass*
Michael John Duda*+
Lorena Duran
Kimberly Nicole Eddins*
Benjamin Clark Edwards
Heather Tilley Finger*
Clare T. Fisher*
Sara Caroline Floyd
Destiny Chantell Freeman*
Brian Vaughn Gallagher
Darwin Akim Garcia
Kelly Geiger*
Caroline E. Gentry*
Tabitha George*+
Briana Danielle Goins
Mahlet Geneme Hailemariam
Virginia B. Hamilton*++
Calli Gabrielle Hamrick
Kathryn Anne Harrawood*
Christy Asako Harris*
Elizabeth McSherry Haus*
Sarah Elizabeth Helms*
Antonio Hernandez Blanco
Linda Stephanie Herrera
Tiffani Jo Hilton*++
Dedrick Maleke Hines
Austin James Hinton*
Leah Belle Holder*
Candice Paige Holmquist
Grace Alexandra Hopkins*
Virginia Ann Huth*
Candice Isme*
Olivia Khaled Jaouhari*
Tristan Keith Jarrett*+
Bernard Jiang
Quanytta M. Johnson
Jaimie Joseph*+
Joseane Kaminski
Shannen Marie Kane*++
Timothy Michael Kelly
Sarah Kathryn Kincaid*
Kathryn Leigh Konrad*
Mika Kuroki
Bradley Kwon
Charity Lackey+
Jessica Ching Lai*
Tonisha Nicole Lashley
Jina Anne Lee
Shelby Ann Lee*
Madelynn Murphy Lewis*
Savannah Elizabeth Lips
Ella Grace Little*
Catherine Macek*
Kenya T. Madric
Jessica Brooke Marlin
Sarah Elizabeth Marr*
Alana Michelle Martin*
Anna Rothfuss Matthews*+
Gabrielle Dove McArdle
Derrick Anthony McCarter Jr.*+
Denhora Mendez Javier
Jennifer O'Neill Mestril*
Morgan Mikkola*
Amanda Misyak*
Khaira Noor Mohammed
Alexandra Carolina Montaner
Leslie Morales
Madison Elise Morgan*+
Carissa Ellen Morrison
Gregory Adam Mu
Anna Elizabeth Myers*
Alexandra Nizich*
Clare Elizabeth O'Brien*
Amelia Dare Orr*
Molly Martin Pearlstein*
Zhenglei Pei*
Brittany Michelle Philippe*
Kaitlyn Brooke Pickert*+
Aimee Elizabeth-Rogers Podraza
Lauren Elizabeth Poe
KaRae Nakemia Powers-Carey
Jordan Marie Poythress*
Keyonda Nichelle Proctor
Zachary Sutton Proctor*
Shayla Nicole Randolph-Bowes
Alexander David Rasmussen*
Kayla Ernestine Roberts
Araceli Rodriguez
Yvonna Angelic Rodriguez
Elizabeth Kaysi Rojas-Steinbrecher*
Anna Duvall Rosemond*
Taylor Luan Ross*+
Maria Ruiz
Kimberley S. Rumley*+
Brandalynn LaPorchia Sampson
Savannah Jane Samuel*
Morgan Taylor Sarkissian
Natalie Lynne Scharf*++
Allison O'Shea Schmidt*
Lydia Kathryn Selzer*
Sarah Babin Serventi*
Katie Ann Sessoms*
Tessa K. Shupe*
Erica Lorin Sickelbaugh*
Myra Cora Slep*
Kathleen Aurora Smith*
Kyle Sullivan Smith
Douglas Soffel
Meredith Lee Spaid*
Kimberly Nicole Stewart
Kelsey Ann Stroud
Lisa R. Taylor
Jacelyn Brittany Thomas*
Lauren Ashley Thomas*+
Erin Michele Thompson*
Kaitlyn Nicole Vanderlaan*
Oluwabukunmi Walker
Matthew Richard Wall*
Jamie Alysse Weiner*+
Meghan Whitney*
Olivia Marie Williams
Cassidy Nicole Willoughby*
Joy Denise Witherspoon
Andria Alis Young
Nicole D. Young
Jihui Zhang*
Julia Qing Zhao++
Zada Zhong

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Biostatistics

Anam Ahmad*
Lindsey Elizabeth Barden*
Griffin J. Bell*++
Kylie R. Fultineer*++
Kay Soonmin Hwang*
Elaine Kaye Kearney*
Elaine Marie King*
Kristen M. McGreevy*
Venkatesa Prasad Muruganandam+
Parth Kiran Patel*
Sharath Rama*
Arvind Sivashanmugam*
Julia Bennett Thompson
Dayoung Rebekah Yu*
Chloe Elise Zacher
Helen Zhang

Environmental Health Sciences

Jeliyah Shaquan Clark*
Allison Eames*
Lauren Alexandra Eaves*
Franklin Richard Gergoudis*
Zachary A. German*++
Caitlin Rae Harrah*
Courtney Diane Hoffmeister*
Nicholas Robert Jennings*
Brigid Ellen Kelly
Simran Khadka
Kara Emily Kochek
Rachel Lempp*++
Sydney Christine Lockhart
Adrianna Lopaczynski
Eric Mai*
Aakash Mehta*
Hemali Harish Oza*++
Madison Ponder
Caroline Brock Reed
Sarah Suzanne Renfro*
Ryan Christopher Schmedding*
Rohanit Singh*
Hannah Josephine Smith*
Nicholas Coleman Toole
Madeleine Rose Valier
Sarah Elizabeth Vossers*
Reece Wheaton Williams
Clark Alexander Williamson*
Sarah Elizabeth Zelasky*

Health Policy and Management

Taylor Anne Alfonso*
Maire Jean Amlicke*
Paige Chandler Balint*
Catrin Elizabeth Newman Corrie*
Emily Kate Cziraky
Anna Elizabeth Dodson*
Jordan Paul Drake*
Leiana Edwards
Hiwot Abena Ekuban
Leah Grace Everist*
Samantha Louise Farley*
Andrea Marie Fitzgerald*
Brandon S. Friedman*++
Shouri Venkata Gottiparthi*
Emma C. Holcomb+
Julia Hu*
Nupur Jain*+

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\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Samuel Jae Hwan Lee*+
Michelle Liang*
Ana Maria Matan*
Alexis Victoria Millan
Emily Margaret Nash*
Misbah Noor*
Holly Elizabeth Ozgun*++
Kevin Parham*++
Aashay Patel
Katherine Louise Plampton*
Caroline Madison Pope*
Sahana Raghunathan*
Saleha Rana
Taruni Sharada Santanam*
Alexa Rae Schulte*++
Ella Marie Smoak*
Lucy Su*
Brian Christopher Tanner*
Gaddamanugu Uma
Leigha Vilen*++
Walter Warren Winslow*
Jordan Scott Wise
Quan Yuan*++

Nutrition
Cyrus Paul Adams-Mardi*++
Norman Trevor Archer*++
Emma Marie Astrike-Davis*
Lawrence Alsthon Guira Bacudio*+
Mohit Singh Chandi*++
Sanjay Raaj Venkata Gadi*++
Bridget Grace Gallagher*
Tyler Scott George
Joseph Tienjet Gung*+
Samuel O. Haddad*+
Michael Gregory Harley++
Yaser Iftikhar*++
Lily Jewel Jones*+
Padam Kumar*++
Jack Dougherty Lawton*++
Dennis Danning Lin*+
Kelly Liu*++
Johnathon Scott Lueck*
Violet Simmons Noe*++
Samip Mukund Patel*
Matthew Patetta*++
Arunima Punjala*++
Magdalena Alexandra Rainey*++
Abhinav Sehgal*+
Nasir Faheem Siddique*
Katherine Jill Starr*
Ahmad Nasir Tejan-Sie
Madeline Virginia White*

Candidates Commissioned in the Armed Forces

MAY 2018

UNITED STATES AIR FORCE SECOND LIEUTENANT
Taja Blackman
Christy Harris
Ahmed King
Cody McWherter
Cristela Rochell
John Thomas
Mark Tierney
Chloe Zacher

UNITED STATES ARMY SECOND LIEUTENANT
Jordan Akalaonu
Luke Boehm
Natalie Bonsall
Adam Bridges
Alexandra Burnette
Niles Clarke
Halle Dohman
Emily Drake
William Caleb Garner
Nicholas Kaufman
Dante Pittman
Andrew Romza

UNITED STATES MARINE CORPS SECOND LIEUTENANT
Patrick Joseph Buhr
Bryan Michael Towers

UNITED STATES NAVY ENSIGN
Tatihana Venetzia Moreno
Samir Dilipkumar Patel
Thomas Jackson Singley
Alexander Harrison Stephenson
Carlos Alexis Urquilla

CANDIDATES *for* CERTIFICATES

May 2018

Undergraduate Certificates

The School of Dentistry
ESTABLISHED 1949
Dean Scott De Rossi

CERTIFICATE IN DENTAL HYGIENE
Maegan V. Cox
Harley Faulkner
Aleia Brynne Hart
Mallory Faye Horvath
Cierra Dawn Lewis
Kaley Ann Smith
Courtni J. Woznicki

Postbaccalaureate Certificates

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Jennifer Lee Glatt
Venita L. Jenkins
Chad Locklear
Morag MacLachlan

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN COMMUNITY PREPAREDNESS AND DISASTER MANAGEMENT
Luke Wayne Mixon Jr.
Edward Purchase IV
Lisa Diane Wilcox-Brooke
Diane Marie Yorke

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Lauren Elise Burroughs
Candice Chambers
Zahra Munther Mahbooba
Terry Katherine Ramey
Zoemma Kerr Steffen

CERTIFICATE IN GLOBAL HEALTH
Falesha S. Houston

CERTIFICATE IN OCCUPATIONAL HEALTH NURSING SPECIALTY
Diane Marie Doyker
Michelle Renee Edwards
Karr Farrell-Johnson
Marie Poteet Frazier
Joanne Miller Steimel
Candy Sue Wright

CERTIFICATE IN PUBLIC HEALTH LEADERSHIP
Jennifer Foster McCracken
Claudia Johanna Salazar
Shay Elizabeth Slifko

MEDALS, PRIZES *and* AWARDS

May 2018

Student Activities Awards

CHANCELLOR'S AWARDS

The Ernest H. Abernethy Prize in Student Publication Work
C. Jackson Cowart

The Eben Alexander Prize in Greek
Evan Colby

The Peter C. Baxter Memorial Prize in American Studies
Morgan Vickers

The Bernard Boyd Memorial Prize
Sydra Siddiqui

The Camões Prize in Portuguese
Trevor Hair

The James O. Cansler Service Award
Evangeline Liauw

The Albert and Gladys Hall Coates Award
Katharine Shiver

The Cornelius O. Cathey Award
Alexandra LaGrand

The George H. Cocolas Pharmacy Student Body Award
Ina Liu

The Chi Omega Award for Scholarship and Leadership
Claire Salisbury

The Josephus Daniels Scholarship Medal
Patrick Buhr II

The Roger A. Davis Memorial Award
Agustin Baler

The Paul Debreczeny Prize in Slavic Languages and Literatures
Katarzyna Leszczuk

The Patrick F. Earey Award
Shelby Waldron

The Marc Adam Eisdorfer Award in Linguistics
Megan Fletcher

The Edward Kidder Graham Award
Neil Harwani

The Frank Porter Graham Award
Erika Franco Quiroz

The Jane Craige Gray Memorial Award
Susan Chen

The Greek Alliance Council Award
Claudia Yatzkan

The Boka W. Hadzija Award
Sallie Wallace Nowell

The Irvine Hagadorn Award
Alicia Chen

The Hampton Shuping Prize
Christopher Johnson

The Jacques Hardré Undergraduate Award for Excellence in French
Andrew Clark

The Edward McGowan Hedgpeth Award
Anna Berrier
Kathryn Bumgarner

The Archibald Henderson Mathematics Medal
Shengding Sun

The George Moses Horton Award for Multicultural Leadership
Jonathan Smith

The Robert B. House Distinguished Service Award
Hiwot Ekuban

The Robert B. House Memorial Prize in Poetry
Evana Bodiker

The E. Eugene Jackson Award
Micheline Amisi

The James M. Johnston Distinguished Senior Award in the Nursing Program
Allison DeSarro

The James M. Johnston Distinguished Senior Award in the Undergraduate Program
David Katibah

The Interfraternity Council Man of the Year Award
Matt Myers Mengert

The Alexander Julian Prize
Isys Hennigar

The Brenda W. Kirby Award
Emily Grace Blackburn

The Mary Turner Lane Award in Women's and Gender Studies
Sarah Jeffries

The Irene F. Lee Award
Ami Patel

The Robert White Linker Award
Alaina Cole

The George R. Livas Award
Charity Lackey

The Ernest L. Mackie Award
Johnny Vang

The Willie P. Mangum Medal in Oratory
Matthew Jackman

The George C. Marshall Award
Luke Boehm

The McNally Award for Excellence in Geography
Anne Sutton

The National Pan-Hellenic Council Award
Jada Weathers

The Howard W. Odum Undergraduate Sociology Award
Kathleen Arney

The Panhellenic Council Woman of the Year Award
Mary Grady Burnette Bell

The John Johnston Parker Jr. Medal for Unique Leadership in Student Government
Collin Miller

The Class of 1938 Joseph F. Patterson Jr. and Alice M. Patterson International Leadership Award
Myra Waheed

The Wallace Ray Peppers Award in Performance of African and African American Literature
Ebony Nicole Watkins

The Marty Pomerantz Sport Clubs Council Achievement Award
Megan Fletcher

The William Stevens Powell Award
Morgan Vickers

The L. Richardson Preyer Award for Excellence in Political Science
Rachel Nixon

The Kenneth C. Royall Award
Cristela Rochell

The Louis D. Rubin Jr. Prize in Creative Writing
Jacqueline Kenny

The J. Maryon Saunders Award
Maribeth Blonchek

The Paul E. Shearin Outstanding Senior Award in Physics
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The Earl Slocum Band Award
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The Keith Shawn Smith Award for Community Development and Mentorship
Victoria Kwon

The Walter S. Spearman Award
Travis Benjamin Broadhurst

* *Chancellor's Award*

The Algernon Sydney Sullivan Award
Samantha Espada
Alexander Mebane III

The Ria Stambaugh Undergraduate Award for Excellence in German
Kimberly Marie Albinus

The Sterling A. Stoudemire Award for Excellence in Spanish
Frances Reuland

The Albert Suskin Prize in Latin
Evan Colby

The Jim Tatum Memorial Award
Bryana Nguyen

The Ferebee Taylor Award
Agustin Baler

The Undergraduate Prize in Art History
Ori Hashmonay

The Undergraduate Award in Economics
Xiao-Song Wang

The Venable Medal
Francis Alcorn IV
Martina Knechel

The Op White Prize in Geology
Naomi Becker

The Worth Award
Russell McIntosh

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Carolina Center for Public Service

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Joseph Nail

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Rebecca Marie Agner
Alaowei Amanah
Keerthi Surej Anand
Shelby Victoria Anderson
Aditya M. Anerao
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Lawrence Alsthon Bacudio
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Kalli Elainia Bunch
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Tonesha D'Shelle Curenton
Julia Elaine D'Amico
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Sara Carson Edwards
Hiwot Abena Ekuban
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Leah Grace Everist
Isatta Feika
Anne Yichen Feng
Desirae Delgado Fewell
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Nicholas Robert Jennings
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Ami Patel
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Victor Pereira
Laura Michelle Perrotta
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Grace Porter
Vinya Posham
Paulina Powierza
Nathaniel Pritchard
Haleigh Elizabeth Prysock
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Ronald W. Hyatt Rotary Public Service Award
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*The Willie P. Mangum Medal in Oratory**
Matthew Jackman

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*Greek Alliance Council Award**
Claudia Yatzkan

*Interfraternity Council Man of the Year Award**
Matt Myers Mengert

*National Pan-Hellenic Council Award**
Jada Weathers

*Panhellenic Council Woman of the Year Award**
Mary Grady Burnette Bell

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Jessica Hoffman
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McKenzie O'Hara
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Sarah Shannon-Mohamed
Logan Smith
Madeleine Valier
Shelby Waldron
Jessie Winfree
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SONJA HAYNES STONE CENTER FOR BLACK CULTURE AND HISTORY

*The George Moses Horton Award for Multicultural Leadership**
Jonathan Smith

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Goldwater Scholarship
Sarah Caroline Miller

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Leah Grace Everist

Mitchell Scholarship
Alexander William Peeples

Yenching Academy of Peking University Scholarship
Olivia Marie Holder

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Ad Watts Lane
Trevor Supan McPherson
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Ryan Davis Rowe

2016 Burch Fellowship
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2017 Carolina Blue Honors Fellowship
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2017 Robinson Honors Fellowship
Grace Han
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Alexandra Elise LaGrand

2017 Weir Fellowship
Quade Robinson

2016 Weir Fellowship
Christopher Stephen Arceo Burriss
Olivia Marie Holder

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Anna Hughes
Alexis Juarez
Jessica Hsin-Yueh Lee
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Tanner Glenn
Jamie Gwaltney
Ashley Hollowell
Tathiana Moreno

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Kalli Bunch
Katherine Cayton
Justin Cole
Will Duncan
Tracy Edwards
Keegan Hines
Olivia Holder
Jonah Howell
Rebecca Kalmbach
Ryan McCord
Trevor McPherson
Victoria Mirian
Makala Moore
Lukas Pisel
Michael Sanders
Wesley Simmons
Leigha Vilen
Abigail Vinson
Nikola Yager
Michelle Xia

Eve Marie Carson Junior Year Merit Scholarship
Emily Drake Buxton
Leah Kristen Daniel
Riley Bingham Foster

Chancellor's Science Scholars
Shaily Aghera
Christopher Allen
Shelby Anderson
Ayano Annis
Persis Bhadha
Jeliyah Clark
Edgar Faison
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Christian Gibson
Joshua Hardin
Charlotte Hopson
Noah Legall
Diana Lopez
Cherrel Manley
Isabel Marrero
Sally Massry
Falecia Metcalf
Makala Moore
Kasey Norton
Michele Nsianya
Samantha Petrie
Ashley Sapp
Shadia Sekle
Gabrielle Whiten
Muhan Xu

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Mary Drummond
Maya Gouw
Kelly Hughes
Diane Padilla

James R. Copland Jr. and Lillian G. Copland Scholar
Ezekiel Janicello

Josephus Daniels Distinguished Scholars
Maura Deering
Samuel Gray
Dana Robbins

*The Josephus Daniels Scholarship Medal**
Patrick Buhr II

Davis United World College Scholars
Orhun Bozkurt
Andre Ceccotti
Brea Dionisio
Samuel Haddad
Amukelani Muyanga
Parker Place
Sharanya Thirugnanasambhandan
Emily Venturi

General Alumni Association Scholars
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Murat Bozkurt
Alexis Fairbanks
Brandon William Feaster
Joshua Howard Gray
Pallavi Gulati

Innovation Scholars
Ritam Chakraborty
Eliza Filene

H.W. Jackson Academic Scholar
Kristen Lee

James M. Johnston Scholars
Jake Buchanan
Kaneka Chhak
David Choi
Allison DeSarro
Christopher Donahue
Samuel Fitz
Grace Garner
Abigail Hardin
Destiny Harrell
Mmerobasi Kanu
David Katibah
Rick Lage
Margaret McAllister
Ryan Mollette
Grant Pieples
Travis Ritenour
Shavanda Rountree
Lishenga Shiluli
Victoria Snow
Marco Spencer-Gallisa
Jenny Young
Joseph Young

James M. Johnston Graduate Nursing Scholars
Lindsay Carpenter
LaKasha Carter
Molly Chadbourne
Nickolai Detert
Rebecca Dragomoni
Kimberly Hutter
Jacob Lundorf
Sheri Phifer
Mary Catherine Rich
Shannon Runion
Kristin Rush
Elizabeth Slater
Ashley Smith
Heather Triplett

James M. Johnston Undergraduate Nursing Scholars
Erika Adams
Henry Adams
Lindsey Bren

* *Chancellor's Award*

Francis Dela Cruz
Ndeye Dieng
Lorena Duran
Destiny Freeman
Darwin Garcia
Olivia Jaouhari
Denhora Mendez
Leslie Morales
Justin Tanski
Nicole Young

William R. Kenan Jr. Music Scholars
Madeline Edwards
Margaret Lynch

Columbus Morrison Scholar
Victor Pereira

Fred Morrison Scholars
Tanner Brittain
Ezinwa Ozoma

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Leslie Floyd
Tyler George

Herbert and Mayme Pegg Distinguished Scholars
Naciye Atay
Meredith Branch
Allie Barton
Katelyn Crabtree
Kelly Davis
Caitlin Moffatt
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Alston Pleasants Scholar
Patrick Fiorilli

Joseph E. and Grace Needham Pogue Scholars
Amaya Bravo-France
Christopher Damon
Jordan Dodson
Erika Franco-Quiroz
Joia Freeman
Rebecca Goins
Hariklea Kokenes
Juan Razo
Cesar Rodriguez
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Colonel John H. Robinson Scholars
Alexander Adams
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Brooke Hoehn
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Parker Place
Adarsh Rao
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Dhruv Shankar
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Richard Landis
William Tingen
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Marvin B. Smith Jr. Distinguished Scholar
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Wood Family Scholars
Arefa Bacchus
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Jonathan R. Smith

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*The J. Maryon Saunders Award**
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Emma Marie Astrike-Davis
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Mary Grady Burnette Bell
Travis Benjamin Broadhurst
Olivia Marie Bruff
Grace Harper Buie
Andre Bicalho Ceccotti
Rebecca Marie Chaisson
Rebekah Claire Cockram
David William Collins
Blake Horrigan Dodge
Anna Elizabeth Dodson
David Isaac Doochin
Claire McBride Drysdale
Lauren Alexandra Eaves
Leah Grace Everist
Caroline Christine Folz
Sanjay Raaj Venkata Gadi
Kristen Marie Gardner
Sarah Elizabeth Gilmour
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Samuel O'Brien Haddad
Devon Paul Hughes
Matthew David Llewellyn Jackman
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Ashish Thakurdas Khanchandani
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Amukelani Sihle Muyanga
Joseph Robert Nail
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Elizabeth Grace Nicholls
Ege Partal
Cara Charon Pugh
Rishab Rajan Revankar
Corey Landever Risinger
Hannah Brown Sloan
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Eleanor Savoy Teller
Emily Ann Venturi
Myra Waheed
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Philip Daniel Howard
Olivia Gabrielle Linn
McNair Hardison Mitchener
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Rimel Nkasa Mwamba
Eric Yibin Qian
Caitlin Ann Rosica

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Shannon Blakey, *Psychology*
Burcu Bozkurt, *Health Policy and Management*
Roger Brothers, *Biology*
Lucy Burgchardt, *Communication Studies*
Chris Campo-Bowen, *Music*
Danielle Chappell, *Biological and Biomedical Sciences*
Patricia Dawson, *History*
Erik Dennihy, *Physics and Astronomy*
Sarah Donaher, *Marine Sciences*
Arianne Ekinci, *History*
Yumeng Fang, *Education*
Christopher Frazer, *Physics and Astronomy*
Ashley Fuller, *Pathology*
David Harris, *Classics*
Elizabeth Hasseler, *History*
Darren Hearn, *Human Movement Science*
Chad Hobson, *Physics and Astronomy*
Xiangxiang Hu, *Dentistry*
Nicole Kahn, *Maternal and Child Health*
Michele Kelley, *Physics and Astronomy*
Joshua Lawrimore, *Genetics and Molecular Biology*
Ben Lee, *Occupational Science*
Brianna Lombardi, *Social Work*
Lara Lookabaugh, *Geography*
Gabriele Magni, *Political Science*
Vivien Maltez, *Microbiology and Immunology*
Heather Menefee, *American Studies*
Christine Mikeska, *Anthropology*
Emma Catherine Monroy, *Romance Languages*
Adams Nager, *Public Policy*
Minh Nguyen, *Health Behavior and Health Education*

Khristopher Nicholas, *Nutrition*
William Patton, *Political Science*
Avery Paxton, *Biology*
Jonathan Phillips, *Social Work*
Sam Rosen, *Business Administration*
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Olivia Grace Bane
Emmie Banks
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Andrea Jacqueline Barnes
Joshua Daniel Barnes
Travis William Barnett
Eli Kiyotaka Barr
Sarah Jacqueline Bass
Griffin Jack Bell
Mary Grady Burnette Bell
Sarah Ann Benecky
Alexander Bennett
Ryder Kendall Best
Jameson Deans Blount
Nicholas Chilton Blum
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Zachary Boyd
Amanda L. Brademeyer
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Christopher Lee Brenes
Oscar Quinn Brennwald
Duncan Glover Britton
Sarah Jane Brooks
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Grace Harper Buie
Danielle Christine Callahan
Jackson Woodward Campbell
Carly Bess Cannoy
Hannah Ruth Carter
Courtney Elizabeth Cash
Brittany Marie Castellanos
Katherine Frances Cayton
Andre Bicalho Ceccotti
Angelo Ibrahim Chaia
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Chris Chung
Elizabeth Ciociola
Rebekah Claire Cockram
Amy Marie Cohen
Peyton Michelle Coleman
Katherine Gora Combs
Christian Jaeger Cook
Adelaide Rosalie Cooke
Brittany Cooper
Christiana Maria Cornea
Kennedy Michelle Crawford
Tyson Hardy Creech, II
Emma Grace Crenshaw
Mallory Renee' Croley
Jack Henry Crouse
Margaret Susan Cruser
Veronica Carolyn Jean DaVanzo
Lindsey Anne Davis
Hannah Lee Dearstyne
Kyra Nicole DeKoning
Anna Elizabeth Dodson
Joshua James Dodson
Pragnya Dontu
David Isaac Doochin
Abigail Ann Drees
Claire McBride Drysdale
Will Joseph Duncan
Averyl Julian Edwards
Tracy Kim Edwards
Khaleelah Lynne Elhajoui
Mary Margaret Evans
Rachel Medlin Evans
Macey Elizabeth Fairchild
Khushnood Faraz
Sarah Anne Faulk
Julia Marie Fehr
Patrick Oliver Fiorilli
Cyrus John Fitzpatrick
Daniel R. Fleszar
Briana Notterpek Fletcher
Meg Keeter Fletcher
Riley Bingham Foster
Caroline Scott Fowler
Hannah Rose Frediani
Bridget Gallagher
Sarah Elizabeth Gee
Gabrielle Rose Geenen
Franklin Richard Gergoudis
Ryan Alexander Gibson
Tate Elizabeth Giddens
Sarah Elizabeth Gilmour
Kate Goldenring
Faith Caroline Goldsmith
Eva Marie Gonzalez Pena
Gabriel Christian Gonzalez
Anna Colleen Goodnight
Shouri Gottiparthi
Sara Rachel Gray
Angelica Green
Jacob Ian Greenblatt
Lauren Groffsky
Pallavi Gulati
Emily Elizabeth Hagstrom
Sara T. Hall
William Bradley Hamilton
Ori Erna Hashmonay
Anna-Kathryn Avonne Hass
Margaret Louise Hassel
Marwan Ayman Hawari
Jie He
Lilian Randolph Heil
Aisling Spencer Henihan
Michael Ian Hensley
Margaret Scott Hilderbran
Madisyn Ann Hill
Leah Gray Hinshaw
Olivia Marie Holder
Alison Nancy Hollis
Emily Susan Hollis
Hannah Leah Holtzman
Sara Elaine Hudson
Kelly Lauren Hughes
Lacey Elizabeth Hunter
Emily Peyton Imes
Kristin Michelle Isbell
Nile Foxx Iverson
Sanjna Iyengar
Vishal Iyer
Hannah Jaggers
Emily Catherine Jarrett
Jordan Kathryn Jenkins
Jacob Alexander Johnson
Natalie Michelle Johnson
Lindsay Gayle Jones
Theresa Marie Jones
Gauri Joshi
Pooja Dhanesh Joshi
Rachel Elizabeth Joyner
James Hale Jushchuk
Zane Daniel Kaiser
Rachael MinJung Kang
David William Katibah
Sanam Louise Kavari
Caroline Joyce Keough
Luke Alexander Kessel
Farhan Khan
Maliha Zainab Khan
Zaid Khatib
Brooks James Knighton
Dakota Hunter Koenigsberg
Renuka Rachel Koilpillai
Ingrid Grace Kottke
Christina Rayen Kresser
Katherine Anne Kruse
Boateng Appiah Kubi
Rishi Kumar
Morgan Lane
Nicholas Alfredo Larsen
Kenny Le
Jamie Leigh Lebhar
Eric Hanlin Lee
Esther Lee
Kenya Iman Lee
Zachary Matthew Lee
Katia Maria Dmitrievna Lezine
Alexander Y. Z. Li
Allison Li-Ping Lim
Zijin Lin
Jiacheng Liu
Kelly Liu
Tony Hong Liu
Savannah Loehr
Adam Loeser
Kristen Rita Lospinoso
My Linh H. Luu
Margaret Susan Lynch
Lukas Alexander Lyon
Catherine Marie Machanic
Eric Mai
Kaitlyn Mallie
Kristen Michelle Marino
Eric Markley
Isabel Jane Mason
Jake Ryan Mayer
Kristen Eilis McCain
Lucas Oliver McCallen
Geoffrey Calvin McGee
Rachel Elizabeth McGrath
Nicholas William McHenry
Russell Anderson McIntosh
Nicholas McKenzie
Matthew Charles McKnight
Suzanne Michelle McLendon
Emma Griffith McLeod
Anna Claire McQuillin
Ched Milic
Christina Elizabeth Miller
Sarah Caroline Miller
Carolyn Jean Mistele
Bridget Vera Mizener
Stenn Hollis Monson
Lauren Alexandra Moore
Frances Lee Mueller
John Raymond Mullan
Joseph Robert Nail
Gabrielle Blue Nair
Abigail R. Needell
Elizabeth Nicholls
Grace Elizabeth Nipp
Rachel Katherine Nixon

* *Chancellor's Award*

Violet Simmons Noe
Mary Kate Elizabeth Nolan
Megan Rose Ogorchock
Caroline Orleanskaia
Brittney Louise Ortiz
Camille M. Oswald
Nell Cyrene Ovitt
Samantha Lynn Pagan
Samantha Paisley
Rachel Park
Jacob Benjamin Pascual
Alexander Matthew Payne
Jane Bradford Pearce
Alexander William Peeples
Alexander Richard Penner
Carlos Antonio Perez-Heydrich
Nils Erik Persson
Kayley Peters
Anna DeLancey Phares
Cameron Wesley Pharr
Ronak Pipaliya
Lukas Pisel
Lindsay Ann Player
Margaret Eline Player
Alex Polydoroff
Grace Frances Porter
Morgan Robertson Pratt
Ashley Anne Privette
Brennan William Proudfoot
Michael Edward Purello
Eric Qian
Sahana Raghunathan
Samuel Lawrence Mulkern Raines
Magdalena Rainey
Vishnu Ramachandran
Ramkumar Rao
Meredith Anne Ratledge
Kristin Mackenzie Reed
Frances Emily Reuland
Caroline Carswell Ririe
Corey Landever Risinger
Quade Robinson
Joshua Thomas Rodriguez
Isabel Margaret Romano
Jamie Austin Rose
Ryan D. Rowe
Sophie Rupp
Addie Marie Rush
Benjamin Holte Sagmoe
Akshay Sankar
Kaitlin Eileen Sanzone
Madison Rihga Schaper
Courtney Schlachter
Amanda Halbrooks Schroer
Daniel Robert Schwartz
Ishan Jay Shah
Dhruv Sundar Shankar
Matthew Shear
Elizabeth Houston Sheild
Nishita Tushar Sheth
Sydra Larab Siddiqui
Ryan Silk
Anna Catherine Silver
Rachel Anne Silver
Arvind Sivashanmugam
Mary Madison Smith
Paul Charles Smith
Sara Elizabeth Smith
Alexander Warfield Snyder
Analisa Maria Sorrells
Hudson Duval Spangler
Cory Nicole Spencer
Caroline Rose Stanton
Mary Alex Staude
Elsa Rhett Steiner
Daniel Lee Stickel
Jordan Lynn Stinnett
Jacob Ryan Strauss
Katherine Caby Styers
Lauren Ann Sugarman
Katie Sullivan
Yina Sun
William Ross Taylor
Nicholas McDaniel Teague
Olivia Nicole Thiery
Kevin Michael Tillman
Mary Elizabeth Triplett
Jillian Kay Troftgruben
Lydia Claire Trogdon
Anna Kathryn Twiddy
Kailyn Janelle Valido
Emily Ann Venturi
Madeline Leigh Watson
Claire Elizabeth Weintraub
Kristin Grace Weiss
Christina Victoria West
Victoria Gabrielle Whitley
Gordon Miller Wilbourn
Margaret Anna Williams
Clark Alexander Williamson
Philip Murray Wilson
Daniel Keith Winecoff
Jayson Beck Wisk
Amanda Ruth Witwer
Wilfred Chad Wong
Adrian Leia Wood
Caroline Elizabeth Wooten
Shuhan Xia
Sarah Kathryn Yaghoubi
Jeff Z. Yang
Morgan Taylor Yapundich
Yen Kwong Yoo
Shan Yu
Angela Lee Zhang
Yusheng Zhang
Anna Lynne Zimmerman
Christine Anne Zimmerman

Honorary Societies

FRANK PORTER GRAHAM GRADUATE AND PROFESSIONAL HONOR SOCIETY

Graduate and Professional
Travis Crayton
Bradley Erickson
Carlee Forbes
Talia Hatkevich
Leah Herity
William Keyes
Meggie Lasher
Kirsten Leloudis
Nick Levis
Meredith McCoy
Terrell Morton
Christie Pettitt-Schieber
Dylan Russell
Katherine Stember

Honorary Inductees
Gregory Copenhaver
Jeff Sekelsky

NATIONAL RESIDENCE HALL HONORARY

*The Robert White Linker Award**
Alaina Cole

ORDER OF THE BELL TOWER

Officers
Aliya Elizabeth Tucker, *President*
Melissa Holmes, *Secretary*
Meghan Paige Sawyer, *Ambassador Coordinator*

2015 Initiates
Aliya Elizabeth Tucker

2016 Initiates
Austin Blake Cotten
Devin Ramon Duque
Samantha Inez Espada
Katherine Lukens Grant
Micaela Hofer
Melissa Holmes
Meghan Paige Sawyer

2017 Initiates
Chloe Doris
Cristian Nicholas Robinson

ORDER OF THE GOLDEN FLEECE

2018 Inductees

Seniors
Mistyre Bonds
Lauren Eaves
Raymundo Garcia
Alexander Peeples
Courtney Staton
Jacob Stocks
Tiffany Turner

Graduate Students
Timothy W. Longest Jr.
Madelyn Percy

HONORS CAROLINA

Class of 2018
Shaily N. Aghera
Benjamin Todd Albert
Francis Marion Alcorn IV
Sandy Ellen Alkoutami
David Ray Allen Jr
Hope Louise Allen
Rachel Leeann Allore
Brice McCay Andracchio
Norman Archer
Kathleen Elizabeth Arney
Radhika Arora
Emma Marie Astrike-Davis
Olivia Grace Bane
Emily Rose Banks
Alexander Nicholas Banoczi
Allyson Sloan Barkley
Kimberly Elise Baudhuin
Imani Janay Bazemore
Courtney Leigh Beals
Mary Grady Burnette Bell
Curtis Glenn Benson
Georgeanne Dozier Blackerby
Nicholas Chilton Blum
Andrew James Bock
Alison Bonner
Claire Karling Boyd
Travis Benjamin Broadhurst
Anna Elizabeth Brodmerkel
Grant S. Broussard
Akhari K. Brown
Nathanael Connor Bedingfield Brown
Olivia Marie Bruff
Katelyn L. Buffett
Madison Kiana Butler
Emily Drake Buxton
Courtney Elizabeth Cash
Katherine Frances Cayton
Andre Bicalho Ceccotti
Angelo I. Chaia
Mohit Singh Chandi
Parry Chen
Yutong Chen
Changfeng Cheng
Valli Chidambaram
David Choi
William Townley Christoffersen
Kylie Alexis Cleve
Rebekah Cockram
Alaina Caroline Cole
Justin David Cole
Peyton Michelle Coleman
Curtis McIntyre Coltharp
Hayes Hightower Cooper
Catrin Elizabeth Newman Corrie
Benjamin C. Creekmore
David Earle Cuppett
Christopher Lee Damon
Rachel Frances Dango
Leah Kristen Daniel
Jennifer Davidowitz
Haley Amanda Davies
Alexander Lee Davis

Bradley Austin Davis
Clara Davison
Mary Dodd
Anna Elizabeth Dodson
Benjamin Rizk Dolder
David Isaac Doochin
Emily Lauren Drake
Jordan Paul Drake
Abigail Ann Drees
Mary Sims Drummond
Claire McBride Drysdale
Will Joseph Duncan
Tracy Kim Edwards
Oliver Kimball Eisenbeis
Sumiyah Enayet
Samantha Espada
Laren Everage
Moshe Feldman
Anne Yichen Feng
Morgan Elizabeth Ferone
Eliza Filene
Kaia Findlay
Patrick Oliver Fiorilli
Nicholas Edward Firr
Samuel Charles Fitz
Caroline Christine Folz
Miranda Hope Foster
Riley Bingham Foster
Fhoenix Christine Frager
Brandon S. Friedman
Amber Nicole Fulford
Kylie R. Fultineer
Derek Dallas Fulton
Sanjay Raaj Venkata Gadi
Asia Reanne Gandy
Christopher Michael Garcia
Karla Guadalupe Garcia
Grace Elizabeth Garner
Gabrielle Rose Geenen
David Mills Gilmore
Sarah Elizabeth Gilmour
Emily R. Godwin
Rebecca Goins
Samantha Mae Golden
Eva Marie Gonzalez Pena
Jesus Armando Gonzalez-Ventura
Gabriel Christian Gonzalez
Shouri Venkata Gottiparthi
Shannon Leigh Grand
Joshua Howard Gray
Carina Lena Guerra
Connor Summerville Guess
Pallavi Gulati
Luke Harris Gutekunst
Samuel O. Haddad
Emily Hagstrom
Grady R. Hale
Virginia B. Hamilton
Grace Han
Myranda Harris
Ori Erna Hashmonay
Alexandra Bettina Hehlen
Kathrin Morgan Hennigan
Charles Michael Higgins
Madisyn Ann Hill
Keegan Elliott Hines
Jessica Reggan Hoffman
Olivia Holder
Alison Nancy Hollis
Emily Susan Hollis
Erik Walker Howard
Philip Daniel Howard
Kelly Lauren Hughes
Kay Soonmin Hwang
Emily Peyton Imes
Sidarth Iyer
Matthew David Llewellyn Jackman
Joseph Anthony Janeczko
Ezekiel John Janicello
Alexandra Johnson
Lily Jewel Jones
Jay Gajendra Kabra
Rebecca Holcombe Kalmbach
David William Katibah
Caroline Grace Kelly
Kaelin Elizabeth Kennedy
Ashish Thakur Khanchandani
Zaid Khatib
Stewart Henryetta Kingdon
Edgar Owen Kinnier IV
Rachel Miller Kleiman
Martina Arnett Knechel
Renuka R. Koilpillai
Prasanna Kumar
Rishi Goyal Kumar
Mackenzie Lynn Kwok
Alexandra Elise LaGrand
Abbie Leland Largess
Nicholas Alfredo Larsen
Kenny Le
Eric Hanlin Lee
Jessica Hsin-yueh Lee
Samuel Jae Hwan Lee
Rachel Lempp
Naomi Rebekah Van Horn Lerner
Samuel Moye Lilley
Alexis Lin
Olivia Gabrielle Linn
Savannah Ashley Loehr
Adrianna Lopaczynski
Hoang My Linh Luu
Ethenyeri Maganga
Niman Mann
Charles Patrick Manolakis
Kristen Teresa Marion
Isabel Maria Marrero
Ana Maria Matan
Matthew McCall
Ryan Katherine McCord
Geoffrey Calvin McGee
Luke Koll Jerome McGinty
Kristen M. McGreevy
Matthew Charles McKnight
Trevor Supan McPherson
Anna C. McQuillin
Alexander Murphy Mebane III
Carrington Cheryse Merritt
James Louis Campani Messmer
Alessia Marie Mihok
Victoria Nicole Mirian
Mahogany A. Monette
Rachel Seyoon Moon
Jeremy Morowitz
Makala C. Moyer
Mariah C. Moyer
Rimel Nkasa Mwamba
Joseph Robert Nail
Gabrielle Blue Nair
Nicole Newman
Elizabeth Grace Nicholls
Holly Elizabeth Ozgun
Diane Hernandez Padilla
Samantha Taylor Paisley
Michael Louis Palumbo III
Kevin Parham
Jhana Snehal Parikh
Kyungmin Park
Ege Partal
Ruby G. Patel
Matthew Patetta
Anna Delancey Phares
Yakel Emilio Pina
Lukas Joseph Pisel
Amila Porobic
Michael Edward Purello
Rachael Madison Purvis
Eric Yibin Qian
Christina Elizabeth Quigley
Matthew Ragusa
Bharath Rama
Adarsh Vasudeva Rao
Meredith Anne Ratledge
Carolyn Jennifer Reuland
Frances Emily Reuland
Rishab Rajan Revankar
Katie Youngae Rha
Marissa Rice
Corey Landever Risinger
Edith Rivera
Zachary Logan Robbe
Halle Marie Ronk
Jamie Austin Rose
Sophie Ilana Rupp
Scott J. Sackett
Kristy Van Sakano
Michael Sanders
Ashley Riana Megan Sapp
Zachary William Saunders
Madison Rihga Schaper
Grant Tyler Schietinger
Rachel Jaimes Schomp
Marisa Elizabeth Sclafani
Dhruv S. Shankar
Moriah Sharpe
Matthew Evan Shear
Siyuan Shen
Juli Shin
Emily J. Shuman
Sophia Shwartz
Sydra Larab Siddiqui
Arnav Kumar Singla
Juliana Clare Sirois
Hannah Brown Sloan
Talia Shein Grauer Smart
Ella Marie Smoak
Alexander Snyder
Shelby Soutter
Gabrielle Spinella
Mary Alex Staude
Klio Nicolette Stroubakis
Katherine Caby Styers
Catherine Atchison Sullivan
Daniel Joseph Swetlitz
Charles Dana Talcott
Jordan Elizabeth Van Hoy
Brian Allen Vaughn
Divya Venkatasubramanian
Emily A. Venturi
Morgan Paige Vickers
Leigha Vilen
Cortland Caroline Vis
Jacob Christopher Vosburgh
Myra Waheed
Qiancheng Wang
Lindsey Faye Wells
Anna Sophia Whelchel
Gordon Miller Wilbourn Jr.
Daverian Travun Williams
Teddy Wong Jr.
Michelle Xia
Mian Xing
Zicheng Ye
Caroline Elizabeth Yevak
Haejung Yoon
Chase Ying Yuan
Ying Zheng

School Awards

The Kenan–Flagler Business School

UNDERGRADUATE BUSINESS RECOGNITIONS OF EXCELLENCE

*2018 Hampton Shuping Prize**
Christopher Johnson

2018 Undergraduate Symposium Service Award
Christopher Johnson

Undergraduate Business Award for Excellence in Community Service
Paolo Narag

Undergraduate Business Award for Excellence in Integrity
Brielle Kronstedt

Undergraduate Business Award for Excellence in Leadership
Katherine Dull

Undergraduate Business Award for Excellence in Teamwork
Ankit Bilgi
Henrik Lindvall

* *Chancellor's Award*

Undergraduate Business Excellence in Consulting Award
Ankit Bilgi
Christopher Johnson

Undergraduate Business Excellence in Entrepreneurship Award
Sami Lachgar
Alexis Lin

Undergraduate Business Excellence in Finance Award
Danielle Fraley
Caroline Kelly

Undergraduate Business Excellence in Management Communication Award
Erika Richardson

Undergraduate Business Excellence in Marketing Award
Mary Grady Bell
Alexander Magee

Undergraduate Business Excellence in Operations Management Award
Weston Graddy
Alison Lim

Undergraduate Business Excellence in Organizational Management Award
Radhika Arora
Alexander Banoczi

Undergraduate Business Excellence in Real Estate Award
Kayla Aronson
Catherine Wellen

Undergraduate Business Excellence in Strategy Business Award
Caitlin Rosica
Yen Kwong Yoo

Undergraduate Symposium Core Planning Committee
Breanne Abbott
Katie Ayscue
Brady Gingrich
Samantha Gronmeyer
Courtney Loughran
Kelly McNeil
Christian Ortiz
Phillippa Owens
Sravya Panchavati
Peyton Roberts
Kevin Rodriguez
Jacob Sander
Brock Schoenwald
Owen Stoneking
Anting Zhu

GLOBE Class of 2018
Ankit Bilgi
Murat Orhun Bozkurt
Rafaella De La Vega
Mengmeng Fang
Allison Fern
Justin Hagenburg
Philip Howard
Rebecca Kalmbach
Sami Lachgar
Mary Alexandra Lee
Alexis Lin
Henrik Lindvall
Vincent Lo
Anthony Occhiogrosso
Alisha Pasi
Parker Place
Breanna Welsh
Elisabeth Wurmser

Undergraduate Business Class of 2018 Honors Candidates
Nicholas Byron
Riley Robinson Graham
Sidarth Iyer
Amanda Schroeder
Charles Dana Talcott

Undergraduate Business Meritorious Scholarships 2017-2018

The John Duke Baldridge Jr. Scholarship
Weston Graddy
Erin Kutz
Grant Schietinger
Thomas Schmidt
Navdeep Singh

The Carl and Janice Brown Upperclass Academic Scholarship Fund
Alex Banoczi
Kathleen Hufham

The Erie Windsor Cass and Jessamine Brown Cass Undergraduate Scholarship
Kimberly Baudhuin
Megan Brannigan
Rickie Eatherly
Allison Fern
Nicole Frederick
Julia Fronc
Henrik Lindvall
Vincent Lo
Parker Place
Brenna Welsh
Elisabeth Wurmser

The A. Donald Christopher Scholarship Fund
Yudi Deng
Jae Hyun So
Summer Travis

The Gene Clark Memorial Scholarship
Ryan Barlow
Murat Bozkurt
Liz Ciociola
John James
Ryan Kabra
Rebecca Kalmbach
Brielle Kronstedt
Lucas McCallen
Colin Russell
Lauren Wagaman

James Wilford Clark Jr. Undergraduate Scholarship
Kayla Aronson
Ankit Bilgi
Jay Kabra
Jenny Wheeler

The N. Courts Cooledge Family Endowment
Ian Siegal
Wesley Wallace

The Marion Dixon BSBA Scholarship Fund
Ian Muriuki

Patricia Dowdy Draughon Study Abroad Scholarship
Kayla Aronson
Bailey Burt
Jacob Friedman
Caitlin Gallant

Wade S. Dunbar Jr. Undergraduate Scholarship Fund
Radhika Arora
Nico Krachenfels
Sami Lachar
Matthew Patetta
Susananh Smith

The Gregory C. Edmister Memorial Fund
Sneha Venkatraman

The Jimmy W. Garrell Tabor City Endowment Fund
Anthony Morra
Chen Wang
Emma White

General BSBA Scholarship
Bryan Chu
Daniel Parks
Paolo Narag
Jonathan Fischer

Global BSBA Scholarship
John Gabianelli
Shane Hassett
Kathleen Maher
Daniel Swetlitz
Michael Clemmons
David Cuppett
Alexander Fisher
Nick Prospero
Stephanie Sturms

The Ewing Schleeter Harris BSBA Scholarship Endowment
Kimberly Baudhuin

Elizabeth Cartrette
Rachel Denenberg
Ethan Good
Justin Hagenburg
Allison Hall
Alexis Lin
Patrick McKinley
Sabrina Singh
Emma White

Joseph Cooley and Kathleen Cullins High Koinonia Scholarship
Anna Taylor

Kenneth Bartlett Howard Undergraduate Business Scholarship
Tasha Beal
Keri Bradley
Bryan Gerber
Anthony Occhiogrosso
Alisha Pasi

Kenneth Felton Howard Jr. Undergraduate Scholarship
Ankit Bilgi
Rafaella De La Vega

The Bob and Mindy Jones Family Assured Admit Scholarship
Danielle Fraley

Edison E. Marley Undergraduate Business Scholarship
Joseph Larabee

The Ernest Mayo Undergraduate Fund in Finance
Maria Blanchard
Bryan Chu
Eva Gonzalez Pena
Pallavi Gulati
Christopher Jasinski
Shubhang Mehta
Samuel Miner
Jonathon Perron
Daniel Swetlitz

James K. McLean Scholarship Fund
Radhika Arora
Alexander Banoczi

Cole Bowser
Resha Chandak
Lauren Daly
Thomas Darden
Katherine Dull
Larkin Felker
Hanadi Karakrah
Hwan Lee
Emily Mace
Anthony Morra
Peyton Oldenburg
Ethan Peikes
John Ramirez
Remington Remmel
Caroline Ririe
Andrew Skinner
Luke Stidham
Austin Story
Eric Thompson
Walter Winslow
Caroline Yevak
Yen Kwong Yoo
Anna Zechel

The McMichael Family Study Abroad Scholarship
Mengmeng Fang
Alexis Lin
Henrik Lindvall
Parker Place
Brenna Welsh

Medlin Scholarship for Business and Liberal Arts
Benjamin Albert
Radhika Arora
Christopher Batchelor
Mary Grady Bell
Christopher Conneely
Rickie Eatherly
Samantha Golden
Pallavi Gulati
Jessica Lee
Allison Lee
Andrea Lo
Mary Lowery
Saif Mehyar
Courtney Popivchak
Remington Remmel
David Rento
Jared Sarnoff
Eva Simakas
Nicole Trupiano
Vishesh Verma

David S. and Christine C. Moss Scholarship
Brielle Kronstedt
Sam Miner

Thomas Hart Norwood Scholarship
Caitlin Gallant

Michael J. Peterson Scholarship
Grant Stroehlein
Roshni Verma

The June and L. Gordon Pfefferkorn Jr. BSBA Study Abroad Fund
Sami Lachgar
Erica Richardson
Susannah Smith

The G. Martin Poole Study Abroad Endowment
Emily Mace
Neil Pathak
Mia Phillips

Pringle Global Business Education Scholarship
Rachel Denenberg
Chelsea Fisher
Jonathan Perron

The Jason Ray BSBA Global Scholarship
Emily Godwin

BSBA Global Travel in Memory of T. Henry Redding
Allison Fern
Vincent Lo

Scholarship in Memory of Hal Kearns Reynolds
Matthew Beaty
Marlisha Blakeney
Ryan Blaya
Kristin Burke
Timothy Cooper
Elizabeth Crawford
Mia Cremisi
Isabella Dokell
Katherine Dull
Marvin Espinoza
William Evans
Anna Fuller
Whitney Pardue
Connor Patterson
Erica Richardson
Caroline Ririe
Rachel Schomp
William Senay
Pearce Veazey
Elice Wu
Jenny Young

The Barry Roberts International Fund
Lauren FitzGibbons
Mckee Hornor
Philip Howard

Edmund B. Ross III BSBA Endowment
Kayla Aronson
Elizabeth Berry
Marlisha Blakeney
Murat Bozkurt
Kirkland Caison
Allison Cohen
William Cunningham
Thomas Darden
Haley Delatte
Mengmeng Fang
Kaiss Fayed
Danielle Fraley
Elianna Goldstein
Weston Graddy
Neil Harwani
Philip Howard
Ezekiel Janicello
Rebecca Kalmbach
Jessica Lee
Jacob Lerner
Katherine Little
Luke Morrel
Anthony Occhiogrosso
David October
Alisha Pasi
Courtney Popivchak
David Rento
Isabel Romano
Jae Hyun So
Alexander Stephenson
Eric Tai
Tyler Tonnesen
Maksim Yakovlev

E. Jackson Sapp Scholarship
Chiafen His
Summer Travis

The Bob and Teresa Scheppegvell BSBA Study Abroad Endowment
Ankit Bilgi
Christopher Conneely
Rafaella De La Vega
Sarah Doolen
Kendall Harden

Frank and Shelayne Sutton BSBA Excellence Fund
Keegan Emrick
Isha Garg
Justin Hagenburg
Nico Krachenfels
Elisabeth Wurmser

James H. Toy Scholarship
Akhari Brown
Rachel Korf
Raquelle LeBlanc
Hwan Lee
Vincent Pupi
John Walker

Ullrich Family Scholarship Fund for Study Abroad
Evan Pournaras

The Helen Craig Wardlaw Fund
Riley Graham
Anna Taylor

The Edwina E. Woodbury Women in Business Endowment
Caroline Kelly
Amanda Spalding
Irina Trenkova

Frank Erwin Young Jr. and Mae T. Young Scholarship for Study Abroad
Margaret Apple
Lucy Chase
Kuanfu Chen
Ronald Ding
Chloe Green
Alex Krupa
Mary Lee
Jason Naulty
Morgan Rice
Erin Rymiszewski
Sakile Trowers
John Walker

The School of Dentistry

Dental Hygiene Sigma Phi Alpha National Dental Hygiene Honor Society 2018 Initiates
Austin Beasley
Rikki Bradley
Kayla Cunningham
Caroline Dunham
Yuri Oh
Lucy Xiong

Doctor of Dental Surgery Omicron Kapa Upsilon National Dental Honor Society 2018 Initiates
Joseph Anderson
Abby Becherer Bartholomew
Meredith Davis
Natalie Dunlop
Preston Ford
Mary Morgan Keyser
Laura Silverstein
Alexis Sims
Korry Tauber

The School of Education

Mayo and Norma Bundy Scholarship
Elizabeth Spencer Brogden

Gail Bunn Fellow
Anna Russell Blackwell
Jeremiah P. Safford

* *Chancellor's Award*

Patrick and Janet Carlton Award for Dissertation Research in Educational Leadership
Gina Bacheler
Brittany Chevon Murray

Frank Comfort Scholarship
Hannah Rose Hagedorn Seidenberg

Fred Pfohl and Marjorie Crouch Scholarship
Sarah Roess Makgill

Susan Friel Graduate Fellowship in Mathematics Education
Bryan Fede

Galassi-Brown Social Justice and Advocacy Award
Lauren Jeanette Brand
Orlando Cepeda Dobbin Jr.

Virginia Carter Gobbel Graduate Student Award
Jeffrey Boyd
Monica Darice Davis
Sarah Rebecca Gilbert

Ira J. and Esther Gordon Fellowship
Heather Lauren Dyer

Graduate School One-Year Merit Assistantship
Beatrix E. Hutton

Graduate School Five-Year Merit Assistantship
Yumeng Fang

Samuel M. Holton Fellowship
Sharon Levine
Daniel Patrick Gibboney

Samuel M. Holton Professorship Fellowship
Cassandra Dawn Quinn

Lynn Boyette Hutchinson Scholarship
Ashley Makayla Norton

James Yadkin Joyner Fellowship
Helen Holland Avis

Willie Hall Kennedy Scholarship
Taylor Ballard Bryant

Carol and William Malloy Conference Travel Award
Kristin Dana Bedell
Nikki Glover Lobczowski
Danbi Choe
Soo Jin Lee
James C. Sadler
Shuting Zheng
Nicole Suzanne Neal
Wenyang Sun
Xinxin Wang
Chris Needham
Dalila Dragnic-Cindric
Rebekah Freed
Brian Mitchell Cartiff
Lauren Tarabokia Kendall
Charles Midthun

Alan Coningsby Moore Scholarship
Angelica Nicole Green
Nicole Christina Mackenzie Moore
Nicole Alexandra Hauser

Nancy Blanche Norman
Ashlyn Marie Knosby
Nicole E. T. Simpson

W.D. Perry Outstanding Student in School Counseling
Jennifer Kathryn Brouder

James B. and Susan H. Pittleman Fellowship
Paige Elizabeth Landau
Chris Needham

Priddy Family Award
Elena Lucier Ashburn

Susan Redd Scholarship
Rachel Cassidy Frasier
Sian Li

William Self Graduate Fellowship
Dena Kelly Keeling

Dean E. Smith Scholarship
Taylor Rebecca Dunham
Kara Eileen McNamara
Theresa Marie Jones

Charles S. Templeton Scholarship
Cherish Rashae Williams

Fred Pfohl Crouch Scholarship
Margaret Eleanor Smith

Graduate School Dissertation Completion Fellowship
Mark Andrew Johnson
Stephanie Konle
Eleni Zgourou

Graduate School Summer Research Fellowship
Danielle Joi Allen
Allison Rose Socol

Sequoyah Dissertation Fellowship
Meghan Evelynne Harter

The Graduate School

2018 Dean's Distinguished Dissertation Award
Gina Bombola, *Music*
Paul Cornwell, *Mathematics*
Andrew Morgan, *Biological and Life Sciences*
Parth Shah, *Health Behavior*

2018 GEAB Impact Awards
Julia Considine, *Public Health Leadership*
Thibaut Davy-Méndez, *Epidemiology*
Sarah Gaby, *Sociology*
David Gorelick, *Environmental Sciences and Engineering*
Joshua Horvath, *Economics*
Cassandra Johnson, *Nutrition*
Danielle Keller, *Environment and Ecology*
Sarah Kowitt, *Health Behavior*
Amanda Martin, *City and Regional Planning*
Brooke Matson, *Cell Biology and Physiology*
Kathleen Onorevole, *Marine Sciences*
Avery Paxton, *Biology*
Nancy Quick, *Speech and Hearing Sciences*
Sarah Rhodes, *Environmental Sciences and Engineering*
Carter Smith, *Marine Sciences*
Pavithra Vasudevan, *Geography*
Teresa Zhou, *Economics*

The School of Information and Library Science

Susan Grey Akers Fellowship
Grace Shin

American Library Association Spectrum Scholarship
Amelea Kim

Baker and Taylor Scholarship Summer Seminar to London
Jennifer Kim Embree

Baker and Taylor Scholarship Summer Seminar to Prague
Mary Abigail Kallem

Beta Phi Mu Epilson Chapter Scholarship
Melissa Ferens

Johnston Blakely University Scholarship
Axel Escarcega Mendiola

Miriam Braverman Memorial Prize, Progressive Librarian's Guild
Matthew Weirick Johnson

Lisa Burmeister Computer and Information Science Fellowship
Melissa Hofman

Carolina Academic Library Associate (CALA)
Tabitha L. Frahm
Kelsey N. Hammer
Amelea Kim
Jessica Averill Kincaid
Jaffa Panken
Beth Morris Weiss

Thomas M. Carsey Scholarship in Data Science
Xueli Fan

Charlotte-Mecklenburg Library Internship
James Neil Curry III

Elfreda Chatman Research Award
Lia Walberg

Continuing Education Scholarship, Association of North Carolina Health and Science Libraries
Matthew Weirick Johnson

Environmental Protection AgencyLibrary Internship
Jennifer Kim Embree
Amanda M. Girelli
Katherine Hayes Harrell
Jesse Broders Moore
Katharine Whitney Ray

i3 Undergraduate Research and Leadership Development Program
Jordan Dodson

C. David Jackson Memorial Student Scholarship, Society of North Carolina Archivists
Jessica Lee Serrao

Michael Hooker Fellowship in Applied Networking
Lauren Kyanne Li

Margaret Ellen Kalp Memorial Fellowship
Melissa Ferens
Julia Holubec Gootzeit
Jessica Averill Kincaid

James Councill Leak
Yumeng Liu
Erin Frances Fernandes Maluhia
Heather Leigh McGowan
Lauren Murphree
Jennifer Bradley O'Bryan
Emma Catharine Parker
Katharine Whitney Ray
Ju Shua Tan
Lia Walberg
Yufei Zhang

Learning from Artists' Archives Fellowship
Erin Anne Dickey
Kelsey Moen
Fannie Huang Ouyang

Managing Electronic Records (MER) Conference Scholarship
Sangeeta Desai
Carson Noel Fish
Erin Patterson Gallagher
Jesse Broders Moore

Drs. Barbara and Robert S. Martin Research Assistantship
Melissa Ferens

School of Information and Library Science Undergraduate Scholarship
Jessica Head

Student Vision Scholarship, Mid-Atlantic Chapter of the Medical Library Association (MAC/MLA)
Matthew Weirick Johnson

Summer Undergraduate Research Fellowship
Kyle Ellison

University Libraries Innovation Grant
Kelsey N. Hammer

Wilson Company Fellowship
Xie Dong
Samantha Jan Kaplan
Wanchen Zhao

Louis Round Wilson Fellowship
Grace Shin

The School of Nursing

James M. Johnston Outstanding Nursing Award
Allison Desarro

*George Livas Outstanding Senior Nursing Award**
Charity Lackey

The Eshelman School of Pharmacy

Asheville Student Award for Excellence
Stella Ye

Boka Hadzija Student Excellence Award
Mary Patricia Bulfin

Division of Pharmacotherapy and Experimental Therapeutics Award
Leah Brooks Herity

F.O. Bowman Award
James Terenyi

*George H. Cocolas Pharmacy Student Body Award**
Ina Liu

Jacobs Award in Medicinal Chemistry
Michael T. Patel

Jamie Gasaway Kilar Patient Care Award
Corey Dylan Cicci

John C. Hood Sr. Award in Practice Advancement and Clinical Education
Alexandra Ellen Cervantes

John T. and Rebecca B. Henley Award in Pharmaceutical Outcomes and Policy
Samantha Anne Brokenshire

Office of Professional Education Academic Excellence Award
Erin Catherine Brannick
Rachel Jane Tyson

Professor Leaf Huang Pharmaceutics Achievement Award
Caitlin Elizabeth Kulig

Samuel Burrus Award for Community Service
Ashley Henson McKnight

The Office of Curricular and Student Affairs Impact Award
Sabrina Dunham

T.R. Burgiss Family Award
Megan Leigh Nissen

USPHS Excellence in Public Health Pharmacy Practice Award
Kelly Hu

Rho Chi National Honor Society Class of 2018
William Hampton Hall, *President*
Vivian Cheng, *Vice President*
Katherine Lucille Summers, *Secretary*
Alexis Katrina Lener Williams, *Treasurer*

Anna Christine Abrahamson
Alyson Haley Aldridge
Derek John Bartushak
Erin Catherine Brannick
Samantha Anne Brokenshire
Mary Claire Bugner
Alexandra Ellen Cervantes
Vivian Cheng
Corey Dylan Cicci
Ashley Lynn Condon
Charlotte Morgan Forshay
David Spencer Fussell-Louie
Tieumy Tong Giao
William Hampton Hall
William Robert Heilman
Abby Kay Hendricks
Robert Huynh
Anna Drew Jackson
Joyce Sunny Jih
Michael Eugene Jones
Lauren Michelle Kemp
Theresa Maeling Kline
Caitlin Elizabeth Kulig
Juwon Kwon
Ina Liu
Ashley Henson McKnight
Paige Lund McLendon
Jared T. Michael
Arwa Mufeed Omary
Justin Haines Reid
Katherine Lucille Summers
Ashton Pierce Taunton
Rachel Jane Tyson
Alexis Katrina Lener Williams
Erin Bailey Williams

Phi Lambda Sigma Pharmacy Leadership Society Class of 2018
Caitlin Elizabeth Kulig, *President*
Theresa Maeling Kline, *Vice President*
Crista Marlee Hughes, *Secretary*
Jordan Marcia Barkes, *Treasurer*
Stephanie Anne Salch, *Leadership Development*

Jordan Marcia Barkes
Vivian Cheng
Corey Dylan Cicci
Lindsay Ann Cooper
Benjamin Kirby Diamaduros
Sabrina Dunham
Tieumy Tong Gaio
William Robert Heilman
Kelly Hu
Crista Marlee Hughes
Anna Drew Jackson
Theresa Maeling Kline
Caitlin Elizabeth Kulig
Heather Eileen LeDoux
Ina Liu
Stephanie Anne Salch

The Gillings School of Global Public Health

Atkinson Scholarship Fund
Marcus Spearman, BIOS

Alumni Association Spirit of Giving Scholarship
Adrianna Warner, PHLP

Ann Cynthia Price Endowed Fund for Student Travel
Caroline Reed, ESE
Chi-Tsan Wang, ESE

Annual Fund Award
Christopher Akiba, HB
Melissa Atlas, HPM
Susannah Butters, HPM
Jie Chen, BIOS
Ben Foster, ESE
Charles Gaber, EPID
Julie Hasken, NUTR
Elynn Kann, MCH
Anthony McClenny, PHLP
Khristopher Nicholas, NUTR
Jamie Prince, PHLP
Bryce Rowland, BIOS
Corinne Wiesner, ESE

Brendle Brothers Scholarship for Veterans
David Allan-Matheson, PHLP

Class of 1958 Scholarship
Adrianna Warner, PHLP

Delta Omega, Theta Chapter
Zara Ahmed, HPM
Magdalene Assimon, EPID
Sally Bullock, NUTR
Greta Bushnell, EPID
Theodore Cieslak, PHLP
Alina Clarke, HPM
Alyssa Cozzo, NUTR
Megan Cutherell, MCH
Emily Donovan, HB
Fei Gao, BIOS
Alexandra George, ENVR
Christine Gray, EPID
Emma Green, HB
Herodes Guzman, PHLP
Bryna Harrington, EPID
Lori Hendrickson, MCH
Leah Herity, PHLP
Sydney Jones, EPID
Julie Kafka, HB
Nicole Kahn, MCH

* *Chancellor's Award*

Brystana Kaufman, HPM
Jimin Kim, BIOS
Amanda Kotey, HB
Kirsten Leloudis, HPM
Kate Lewandowski, MCH
Rachel Long, ENVR
Jennifer Lyu, NUTR
Poulami Maitra, BIOS
Britta McCombie, HPM
Rebecca Naumann, EPID
Hannah Noah, PHLP
Rebecca Price, NUTR
Mary Pyle, PHLP
Jordan Rapp, HPM
Claire Sadeghzadeh, HB
Samuel Savitz, HPM
Johanna Schubert, PHLP
Parth Shah, HB
Laurie Stradley, HPM
Garrett Thompson, PHLP
Zhenyu Tian, ENVR
Nadja Vielot, EPID
Edith Winter, HPM
Kin Yau Wong, BIOS
Joseph Walter Zabinski, ENVR
Randa Zoubairi, HPM

Delta Omega Academic Excellence
Ray Antonelli, PHLP
Lauren Maldonado, MCH
Holly McDonnell, HPM
Sarah Rhodes, ENVR
Viveca Taylor, NUTR
Ilana Trumble, BIOS
Julia Ward, EPID

Delta Omega Recognition of Service Award
Samuel Baxter, HPM
Alyssa Grube, ENVR
Kaitlin Kelly-Reif, EPID
Alison McClay, MCH
Brittany Schwartz, HB
Nae Won, PHLP
Laura Zhou, BIOS
Charlotte Zuber, NUTR

Delta Omega Undergraduate Recognition Award
Griffin Bell, BIOS
Brandon Friedman, HPM
Sanjay Gadi, NUTR
Sharath Rama, BIOS
Rohanit Singh, ENVR

Derek and Louise Winstanly Scholarship
Andy Koltun, ESE

Donald and Jennifer Holzworth Merit Scholarship
Ebehiwele Ebhohon, PHLP

Donald N. and Mildred K. Smith Public Health Travel Award
Jeffrey Walker, NUTR

Dr. Curtis Glenn Southard Award
Lauren White Gibson, PHLP

Dr. Jesse Satia Scholarship
Manami Hongo, MCH

Elizabeth Reaves Martin Moore Scholarship
Ana Sofia Pottella Parez, BIOS
Gary G. and Carolyn J. Koch Merit Scholarship in Public Health Award
Michael Nodzenski, BIOS

Gillings Dissertation Award
Emily Mangone, HPM
Briana Stephenson, BIOS

Gillings Merit Award
Yunwei Chen, HPM
Holly Deng, HPM
Katherine Dickson, PHLP
Shara Evans, MCH
William Green, NUTR
Sydney Hartsell, PHLP
Mandy Horner, PHLP
Andy Koltun, ESE
Amalia Osborne Lee, PHLP
Molly Remch, EPID
John Sperger, BIOS
Miriam Tardif-Douglin, HPM
Aurore Victor, NUTR
Yuzhu Xia, HPM
Belinda-Rose Young, HB

Greenberg Award for Excellence in Doctoral Research
Jonathan Crocker, ESE

Harry A. Guess-Merck Scholarship in Pharmacoepidemiology
Mitchell Conover, EPID

James Imhotep Irving Public Service Scholarship
Sequoia Leuba, EPID

Jamie Kimble Scholarship for Courage
Mikaela Freundlich, MCH

Jean T. Lassiter Scholarship
Lydia Swartz, PHLP

Jill Kafrissen and Michael Kafrissen Scholarship in Aging and Public Health
Kathryn Wessell, PHLP

Kerr L. White and Edward H. Wagner Scholarship in Health Care Research
Sydney Hartsell, PHLP

Mary S. Thompson Scholarship
Rodrigo Costa Liao, HB
Maribel Sierra, HB

Michel A. Ibrahim Fellowship
Danielle Gartner, EPID

Miriam L. Cole Scholarship Fund
Adrianna Warner, PHLP

Robert and Kristen Greczyn Scholarship in Public Health
Justin Barnes, NUTR

Robert Verhalen Endowed Scholarship in Injury Prevention and Trauma Management
Elizabeth Daly, HPM

Sandra Winn Green Scholarship
Adrianna Warner, PHLP

Susanne Moulton and Thomas Wong Endowed Scholarship Fund in Public Health
Luzita Francis, HPM

University Cancer Research Fund
Douglas Wilson, BIOS

William Thomas Small Jr. and Rosa Williamson Small Scholarship
Edith Amponsah, MCH

The School of Media and Journalism

Rich Beckman Award in Documentary Multimedia Storytelling
Peyton Andrew Chance

Canady International Award
Abbey Sams Rogers

Robin Clark Experience
Samantha Taylor Paisley

Furman Bisher Medal
Paul Alexander Beam
Michael Andrew Koh

John Robert Bittner Award to the Outstanding Senior in Electronic Communication
Anne Marie Hagerty

Margaret A. Blanchard Dissertation Support Award
Jennifer Lynne Harker

O.J. "Skipper" Coffin Award to the Outstanding Senior in News Editorial
Kiana Marie Cole

Lois and H.C. Cranford Jr. Award to the Outstanding Senior in Public Relations
Rachel Katherine Rhodes

Smith Galli Persistence Award
Sloan Hampton Taylor

Joy R. Gibson MATC Cohort Award
Karin Lynn Fullington

Roger and Dorothy Jennings Entrepreneurial Award
Dara Elizabeth Burg

Kappa Tau Alpha Honor Society 2018-2019 Initiates
Peyton Andrew Chance
Stevie Anissa Danielle Coleman
Sofia G. Dewulf
Jake Michael Pacheco
Elisabeth Elaine Parker
Rachel Katherine Rhodes
Lily Louise Stephens
Molly Noel Weybright

Larry and Carolyn Keith Award in Sports Journalism
Rebecca Blake Richardson

James J. Mullen Award to the Outstanding Senior in Advertising
Elizabeth Paige Roberts

Outstanding M.A. in Mass Communication
Lindsie D. Trego

Outstanding M.A. in Technology and Communication
Niel Sollod

Outstanding Ph.D. Graduate
Jonathan Scott Brennen

Minnie S. and Eli A. Rubinstein Research Award
Christopher Etheridge

Stuart Sechriest Award to the Outstanding Senior in Visual Communication
Peyton Andrew Chance

Chuck Stone Citizen of the World Award
Micah Christine Stubbs

John Sweeney Interview Award
Louis Levin

Earl Wynn Creative Broadcasting Award
Salim Addonnis Holloway

The School of Social Work

Master's Level

Alumni Development Award
Linda Ann Chamiec-Case
Julia Pivatto Da Silva
Austyn J. Holleman
Jessica Helen Huey
Juan Enrique Tuset

Melvarene J. Howard Adair Scholarship
Madeline Shelby Anderson

Jane Hall and William Johnston Armfield Scholarship
Lavoya Denise Dionne
Luz Sanabria-Reyes
Raul Andres Zamora-Duprey

Berg Scholars Award
Caterina Rose Marzella

Annie Kizer Bost Award
Yazmin Garcia Rico
Eleanor Susan Lee

Amy Louise Brannock MSW Memorial Scholarship Fund
Meinkeng Nteza Fonge

Kathleen Price Scholarship
Dawn Michelle Bowes
Allene Olivia Carter
Rachel Sarah Stern

Chaney-Jacobs-Preyer Award
Kathryn Suzanne Culhane
Margaret Katherine Edwards

Brett Chavis Memorial Scholarship
Megan Holly Lee Shih

Robert and Peggy Culbertson Scholarship
Josephine Peggy Carmona

Martha Sherrill Dunn Scholarship
Stephanie Durham Griggs

Bertie Oscar Edwards Scholarship
Sarah Macht Dergins

Joanna Finkelstein Gorham Scholarship
Sydney Somers Idzikowski
Melissa Renee Jenkins
Dielle Charon McMillan
Hannah Elizabeth Pavcik
Kada Jo Unwin
Abigail Joy Yoder

Kirstcu E. Hewitt Scholarship
Suzie Emily Elliot-Bearce

Alan Keith-Lucas Scholarship
Luisa Beatriz Pereira Cesar

Jeffrey Langston Scholarship
Marcia Melanie Vaughn

James and Connie Maynard Scholarship
Christopher Aaron Burner
Ashley Mone Kazouh

Robert Ernest McClernon Memorial Fund
Michelle Christine Herman
Allison Ruth Ruel Rella
Mackenzie Nicole Rockett

Margaret Mebane Parker Scholarship Fund
Linda Batchelor

Meehan Scholarship
Courtney Alexandra Cooper-Lewter
Kayla Danielle Williams

Betsy Rogers Millar Scholarship
Angela Rose Michos
Christopher Eugene Scoville

Hugh MacRae Morton Jr. Memorial Scholarship
Kadeisha Mariah Bonsu
Sarah Bracey Johnson

Jane Curtis Parker Award
Sandra Harthan Devoid
Yazmin Garcia Rico
Travis Moe

Joan Phillips-Trimmer Scholarship
Mattie Lambert Steele

Ellen E. Power Scholarship
Kadeisha Mariah Bonsu

Kenneth C. Royall Jr. Scholarship
Cassidy Ruth Fox

Janice Hough Schopler Scholarship
Marit Elizabeth Barber
Lisa Camille Carr
Tyrek Tormaine Corry
Rachel Leigh Floyd
Gabrielle Hannah Johnson
Susanna Khachaturyan
Amyleigh Myers
Sarah Elizabeth Phillips

Dean E. Smith Opening Doors Fund
Isabel Helen Chasse

Benjamin Ruiz Rosado
Isabella Morgan Slade-Ilaria

Social Justice Fund Scholarship
Padma Doobay

Florence Soltys Memorial Scholarship
Sarah Bracey Johnson

Springle Memorial Scholarship
Caroline Frances Deal

Linda M. Summer Scholarship
Jessica Martinez-Matamoros

Leah Tannenbaum Scholarship
John W. Bailey Jr.
Marquita Patrice Laughlin

Kristen Marie TenHarmsel Anderson Scholarship
Alina Michelle Miller

Smith P. Theimann Scholarship
Lindsey Dawn Moody

Walsh-Cioffi Award
Lauren Elizabeth Kulp

Ellen Black Winston Scholarship
Christopher Aaron Burner

Doctoral Level

Doctoral Merit Assistantship (2017-2018)
Siew Keong Gerard Chung

Five-Year Royster Society of Fellows Fellowship Award for Doctoral Study (UNC-Chapel Hill)
Laurie Michelle Graham
Jonathan James Phillips

Heath-Webb Doctoral Research Fund Award
Michael J. Lazar
Anna B. Parisi
Anjalee K. Sharma

Jesse Ball DuPont Royster Dissertation Completion Fellowship (UNC-Chapel Hill) (2017-2018)
Brianna Marie Lombardi

Jordan Institute for Families (Emerging Scholar)
Ting Guan

Robert Wood Johnson Foundation — Four-Year Health Policy Research Fellowship
Annie Maria Francis

Sam and Betsy Reeves Doctoral Fellowship
Erum Agha
Brittney Renwick Chesworth
Joseph James Frey
Michael J. Lazar
Patricia Anne McGovern
Elaina Michele Sabatine

DEPARTMENT OF AEROSPACE STUDIES

*Kenneth C. Royall Jr. Scholarship**
Cassidy Ruth Fox

DEPARTMENT OF AMERICAN STUDIES

*Peter C. Baxter Memorial Prize in American Studies**
Morgan Paige Vickers

Creative Writing Awards
See Department of English and Comparative Literature

DEPARTMENT OF ART AND ART HISTORY

The Alumni Sculpture Garden Award
Isys Elena Hennigar
Rebecca Elizabeth Kenney

The Anderson Undergraduate Studio Art Award
Xiaoyin Chen
Adrian Compean Garcia
Olivia Huntley
Rebecca Elizabeth Kenney
Emily Annie Yue

*The Art History Prize**
Ori Elena Hashmonay

*The Alexander Julian Prize**
Claire McBride Drysdale
Isys Elena Hennigar

* *Chancellor's Award*

The George Kachergis Studio Art Scholarship
Isys Elena Hennigar
Emily Annie Yue

The Penland School of Craft Minority Scholarship
Emily Annie Yue

Phi Beta Kappa – Alpha of North Carolina

2017–2018 Initiates
Claire McBride Drysdale, *Phi Beta Kappa*
Ori Erna Hashmonay, *Phi Beta Kappa*
Ingrid Grace Kottke, *Phi Beta Kappa*
Caroline Elizabeth Wooten, *Phi Beta Kappa*

The Jonathan E. Sharpe Scholarship
Caroline Irene Coppola
Isys Elena Hennigar
Cameron Leigh Kester
Emily Annie Yue

DEPARTMENT OF ATHLETICS

Wells Fargo Postgraduate Scholarship
Frances Reuland (Women's Soccer)

Top 10 Scholar-Athletes
Emma Astrike-Davis (Women's Cross Country/Track and Field)
Nils Bruening (Men's Soccer)
Bailey Burt (Men's Swimming and Diving)
Logan Carroll (Men's Cross Country/Track and Field)
Alex Comsia (Men's Soccer)
Adelaide Cooke (Rowing)
Matt Cunningham (Men's Lacrosse)
Jackie Kenny (Rowing)
Morgan Lane (Gymnastics)
Frances Reuland (Women's Soccer)

2017-2018 Athletic Director's Scholar-Athletes
Emma Astrike–Davis (Women's Cross Country)
Bailey Burt (Men's Swimming and Diving)
Hansen Butler (Baseball)
Logan Carroll (Men's Cross Country)
Luke Ciocca (Men's Soccer)
Benjamin Cournoyer (Wrestling)
Katie Ford (Women's Swimming and Diving)
Samantha Galina (Women's Fencing)
Emily Godwin (Women's Track and Field)
Morgan Goetz (Field Hockey)
Riley Graham (Men's Lacrosse)
Ben Griffin (Men's Golf)
Elizabeth Haus (Women's Lacrosse)
Maggie Kane (Women's Tennis)
Robert Kelly (Men's Tennis)
Jackie Kenny (Rowing)
Morgan Lane (Gymnastics)
Naomi Lerner (Women's Lacrosse)
Jared Martin (Men's Track and Field)
Leah Murray (Softball)
Bryana Nguyen (Women's Golf)
Beth Nordhorn (Volleyball)
Frances Reuland (Women's Soccer)
Chris Ripberger (Football)
Aaron Rohlman (Men's Basketball)
Matthew Shlimak (Men's Fencing)
Destinee Walker (Women's Basketball)

2017-2018 Team Captains

Baseball
Brett Daniels
Zack Gahagan

Men's Basketball
Joel Berry II
Theo Pinson

Women's Basketball
Jamie Cherry

Men's Fencing
Matthew Shlimak
Connor Ritchey
Ian Head

Women's Fencing
Meredith Bozentka
Samantha Galina
Erin O'Neill
Sydney Persing

Field Hockey
Ashley Hoffman
Gab Major

Football
Nathan Elliott
Cole Holcomb
Donnie Miles
Bentley Spain
M.J. Stewart

Men's Golf
Ben Griffin
Jose Montaño
William Register

Women's Golf
Bryana Nguyen
Kelly Whaley

Gymnastics
Kaitlynn Hedelund
Morgan Lane
Madison Nettles
Lauren Weisel

Men's Lacrosse
Chris Cloutier
Joe Kenna
Ryan Macri
Kyle Mathie
William McBride

Women's Lacrosse
Erin Kelly
Naomi Lerner
Marie McCool
Charlotte Sofield

Rowing
Caitlin Beakes
Kathryn Johnson
Madelyn Krebs

Men's Soccer
David October

Women's Soccer
Julia Ashley
Megan Buckingham
Joanna Boyles
Annie Kingman

Softball
Katie Bailiff
Destiny DeBerry
Berlynne Delamora
Leah Murray
Kiani Ramsey
Katelyn Shifflett
Taylor Wike

Men's Swimming and Diving
Michael McBryan
Philip Perdue

Women's Swimming and Diving
Caroline Baldwin
Emily Slabe

Men's Tennis
Blaine Boyden
Robert Kelly

Women's Tennis
Marika Akkerman
Maggie Kane
Cassandra Vazquez

Men's Track and Field/Cross Country
Logan Carroll
Kenny Selmon
Darryl Shaw

Women's Track and Field/Cross Country
Caroline Alcorta
Emily Godwin
Nicole Greene

Volleyball
Taylor Leath

Wrestling
Danny Chaid
Troy Heilmann
Ethan Ramos

CURRICULUM IN BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

Terry Magnuson Award
Daniel Gregory Oreper
Bryan Christopher Quach
Natalie Mary Stanley

DEPARTMENT OF BIOLOGY

*The Irvine Hagadorn Award**
Alicia Chen

DEPARTMENT OF BIOMEDICAL AND HEALTH SCIENCES ENGINEERING

Citizenship and Service Award
Keerthi Surej Anand

Entrepreneurship Flexcell Award
Samuel Elliot Krause

Humanities Award
Carolyn Liu

Leadership Award
Ruby G. Patel

Scholarship Award
Jonathan Tyler Alvarez

WolfRam Award
Giancarlo Victor Vasselli

DEPARTMENT OF BIOSTATISTICS

Regina C. Elandt-Johnson Master's Paper
Laura Zhou

Bernard G. Greenberg Fellowship
Madeline Kowalski

James E. Grizzle Distinguished Alumni Award
Seunggeun Lee

David and Lucy Hardison Bioinformatics Scholarship
Michael Nodzenski

Larry Kupper Dissertation Award
Lu Mao

Barry Margolin Award for Excellence in Doctoral Research
Matthew Psioda

Mohberg Scholarship
Chalmer Tomlinson

Mindel C. Sheps Fellowship
Gilson Honvoh

DEPARTMENT OF CITY AND REGIONAL PLANNING

Best Master's Project
Kathryn Lang

Doctoral Student Award for Excellence in Teaching
Andrew Guinn

American Institute of Certified Planners Award
Sarah Nott

NCAPA Outstanding Student Award
Carly Hoffmann

Weiss Best Colleague Award
Sarah Nott

DEPARTMENT OF CLASSICS

*The Eben Alexander Prize in Greek**
Evan O'Neal Colby

The Epps Prize in Greek Studies
Caroline Herman
Brian David McPhee

The Herington Prize in Greek
Ashley M. Choo-Hen

The Herington Prize in Latin
Jermaine R. G. Bryant

The Herington Scholarship
Allison Melody Ruvidich

The Nims Scholarship
Megan Abernathy
Catherine Elizabeth Atkinson
Andrianna Stavroula Dallis
Shawna Milam
Grace Elizabeth Miller
Allison Melody Ruvidich

The Manson A. Stewart Undergraduate Awards
Ashley M. Choo-Hen

*The Albert Suskin Prize in Latin**
Evan O. Colby

The B. L. Ullman Prize in Latin
Thomas Walker Bilden

The Stacia Byers Wells Fund for Student Travel and Research
Ashley Michelle Choo-Hen
Andrianna Stavroula Dallis
Alex Joseph Haggis

DIVISION OF CLINICAL LABORATORY SCIENCE

Outstanding Senior in the Division of Clinical Laboratory Science
Neil Kishor Patel

DEPARTMENT OF COMMUNICATION

Alpha of North Carolina Chapter of Phi Beta Kappa
Trevor Thompson Brownlow
Mary Kate Elizabeth Nolan
Madison Rihga Schaper
Jordan Lynn Stinnett

Jim Barry Production Scholarship
Sierra Kay Dunne
Nathaniel Owens

John Robert Bittner Fund in Literature, Popular Media, and Journalism
Maximillian Spiegel

J. Robert Cox Award for Outstanding Achievement in Scholarship
Megan Wood

Rick Dees Scholarship
Perry West Carter
Nathan Michael Funderburg
Luke Nathanael Gaines
Evan Jones
Jessica Erin Murphy
Justin O'Brien
Alison Celeste Oehling
Colin Joseph Pelosi
Hollie Rutledge
Micah Christine Stubbs
Michelle Xia

Martha Nell Hardy Award for Outstanding Achievement in Teaching
Sonny Kelly

Saint-Hayden Humanitas Award in Scriptwriting and Media Production
Graham Prevatte

Jim Lampley Award for Excellence in Multimedia
Jessie Scarpa
Michelle Zhao

John and Tatiana Moore Student Internship Award
Madeline Cupak
Ann Fitts
Tierra Harris
Hannah Jenks
Justin O'Brien

Lucia Morgan Scholarship
Nicole Castro

NC TV Award
Andrew Davis

Outstanding Achievement in Media and Technology Studies
Jordan Stinnet

Outstanding Achievement in Performance Studies
Katherine Elizabeth Jones

Outstanding Achievement in Service and Leadership: Undergraduate
Cameron Jernigan

Michael Piller Excellence in Screenwriting Award
Madison Schaper

Sherrill-Pence Award for Applied/Engaged Communication
Will Partin

*Wallace Ray Peppers Award in Performance of African American Literature**
Ebony Watkins

DEPARTMENT OF COMPUTER SCIENCE

Graduate Education Advancement Board Horizon Award
Joshua Welch

Timothy L. Quigg Student Inventor of the Year Award
David S. Dunn

UNC Dissertation Completion Fellowship
Kechang Yang

DEPARTMENT OF DRAMATIC ART

The Richard and Christopher Edward Adler Award
Jackson Woodward Campbell
Aubree Dixon
Nicholas Richard Guariglia
Ashlei Lauryn Heffernan
Michelle Jane Metzger
Robert Jeffrey Piscitelli
Nellie Katherine Wise

The Lillian Chason Award
Connor Nielsen

The Laura Jewell Dobbins Graduate Fellowship
Emily Bosco
April Mae Davis
Brandon Haynes
Sarah Elizabeth Keyes
Adam Pool
Daniel Toot

The Ruth and Wes Egan Award
Zavier Taylor

Joseph D. Feldman Award
Karmen Diana Black
Emily Mackillop
Emily Ann Pirozzolo
Emma Boureau Scaggs

Virginia and George Ferguson Award in Honor of David Hammond
Adam John Swez
Erin Torkelson

The Andy and Cindi Griffith Scholarship
Ashlei Lauryn Heffernan
Michelle Jane Metzger
Emily Gray Morgan
Connor Nielsen
Robert Jeffrey Piscitelli
Emma Boureau Scaggs
Nellie Katherine Wise

* *Chancellor's Award*

The Joseph Haj Merit Award in Dramatic Art
Rishan Dhamija

Frederick M. Koch Memorial Scholarship
Danielle Cara Soldat

The Louise Lamont Award
Geoffrey Robert Culbertson
Rishan Dhamija
Alex L. Givens
Jennifer Lynn Latimer
Shanelle Leonard
Christine Mirzayan
Tristan Parks

The Virgil and Marion Lee Fellowship
Elenora Hill Leidner
Elizabeth Ann Durham
Dikenna Awoke Ogbo
Christian Gage Tarlton

The Kathy Perkins Award
Tristan Parks

Ila Mae Daniel and Robert H. Proctor Award
Emily Bosco

The Irene Smart Rains Dramatic Art Award
Cami Huebert

The Phyllis Rice Ryan Award
Christine Mirzayan

Samuel Selden Memorial Award
Thomas Hansen
Richard Love
Nathaniel Pohl
Samantha Reckford
Jane Reichard
Kyle Spens

DEPARTMENT OF ECONOMICS

*The Undergraduate Prize in Economics**
Xiao-Song Wang

DEPARTMENT OF ENGLISH AND COMPARATIVE LITERATURE

Blanche Armfield Prize in Poetry
Aisling Henihan

Suzanne Bolch Literary Award
Cole del Charco
Emily Grace Lowe

*Robert B. House Memorial Prize in Poetry**
Evana Kaelyn Bodiker

Robert Ruark Society Prize in Non-Fiction
Diana Mellow

*Louis D. Rubin Jr. Prize in Creative Writing**
Jacqueline Kenny

Bland Simpson Prize in Creative Non-Fiction
Ramishah Maruf – 1st Place
Ellie Teller – 2nd Place

Max Steele Prize in Fiction
Diana Mellow
Larissa Lynn Wood

George B. Wynne Award in Fiction
Hayley Sigmon

Ann Williams Burrus Prize
Shannon Leigh Grand

Mini-Max Short-Short Fiction Prize
Curtis Coltharp – 1st Place
Sydney Ponthier– 2nd Place
Kacey Thigpen – 3rd Place
Honorable Mentions:
Maya Chari
Jack Green
Jacqueline Kenny

DEPARTMENT OF ENVIRONMENTAL SCIENCES AND ENGINEERING

Callis Atkins Award
Lauren Joca

Herman G. Baity Bicentennial Fellowship
Charles Cofield
Beverly Medina
Hang Nguyen

Emil T. Chanlett Award
Zahra Al Hamdani

Chen-Yu and Ray-Whay Yen Fellowship
Ghanja O'Flaherty

Frank H. Barr Memorial Fund
Andy Koltun

Fraser Scholarship
Blake Fulton

Donald and Jennifer Holzworth Premier Fellowship
Katie Mulvaney

Edward Kuenzler Fund in Field Ecology
Kirsten Studer

Linda West Little Research Endowment in Waste Management
David Holcomb

Daniel A. Okun Scholarship
Charles Cofield
Benjamin Foster
Beverly Medina
Ghanja O'Flaherty
Elisa Rehak
Rebecca Wentzel

B.B. Parker Fellowship
Emma Kelly
Mutian Ma

Alan and Linda Rimer Scholarship
Elisa Rehak

Alvis Turner Endowment
Mark Radin

DEPARTMENT OF EPIDEMIOLOGY

H. Michael and Barbara Arrighi Endowed Scholarship
Thibaut Davy-Mendez

Rebecca James Baker Scholarship
Jessica Islam

Cornoni-Huntley Scholarship in Epidemiology
Sydney Jones

Nancy A. Dreyer Scholarship in Epidemiology
Alexander Breskin

Harry A. Guess Scholarship
Suzanne Landi

Berton H. Kaplan Student Publication Award
Rahul Gondalia

Sidney Kark Award for Distinguished Teaching Assistant
Sarah Hoffman

James A. Merchant Family Scholarship
Emily Werder

Robert C. Millikan Cancer Epidemiology Award
Nicole Niehoff

Shults Injury Prevention Scholarship
Rebecca Naumann

Barbara Sorenson Hulka Dissertation Award
Katelyn Holliday

Marilyn and Al Tyroler Scholarship
Chelsea Anderson

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

*The Patrick F. Earey Award**
Shelby Waldron

*The Marty Pomerantz Sport Clubs Council Achievement Award**
Megan Fletcher

CURRICULUM IN GENETICS AND MOLECULAR BIOLOGY

Terry Magnuson Award
Maren Ettinger Cannon
Joshua Glenn Lawrimore

DEPARTMENT OF GEOGRAPHY

*The McNally Award for Excellence in Geography**
Anne Parrish Sutton

DEPARTMENT OF GEOLOGICAL SCIENCES

*The Op White Prize in Geology**
Naomi Becker

DEPARTMENT OF GERMANIC AND SLAVIC LANGUAGES AND LITERATURES

*The Paul Debreczeny Prize in Slavic Languages and Literatures**
Katarzyna Leszczuk

*The Ria Stambaugh Undergraduate Award for Excellence in German**
Kimberly Marie Albinus

DEPARTMENT OF HEALTH BEHAVIOR

Dorothy Dunn Scholarship
Erika Redding

Kathryn J. Kerr Memorial Scholarship
Leah Taraskiewicz
Lansky Family Scholarship
Leah Taraskiewicz

Lucy S. Morgan Fellowship Award
Cherese Beatty
Margot Schein
Varsha Subramanyam

DEPARTMENT OF HEALTH POLICY AND MANAGEMENT

AUPHA/McGaw Master's Scholar
Oluomachukwu Chukwu

AUPHA/McGaw Undergraduate Scholarship
Rachel Bonesteel
Stephanie Chien

Clive Boxhill Jr. Scholarship in Health Policy
Lesley Bristol

Deniese May Chaney Fellowship
Mohamed Ismail

James P. Dixon Award for Excellence in Education
Sarah Hart
Hannah Saggau

Sandra B. Greene Scholarship in Health Leadership
Jamie Howgate

Arthur B. Holzworth Endowed Scholarship in Health Leadership
Innocent Ibegbunam

Jacob Koomen Public Health Practice Award
Lynell Hodges

Ed McCauley Scholarship
Benjamin Bushman
Holly McDonnell
Robert White

The Terese S. and Mark H. Merrill Award
Gina Thompson

Harry T. Phillips Award for Outstanding Teaching by a Doctoral Student
Karen Swietek

Benjamin Rodin Scholarship
Lauren Ahlers

Margaret Dardess and T.E. Smith Scholarship
Jen Stutsman

Gerald D. Studer Undergraduate Student Award
Ashley Gaines

Charles A. Veatch Endowed Scholarship in Health Leadership
Janell Wright

Jean G. Yates Health Policy Award
Emily Gamble
Alexandra Zizzi

Jean G. Yates Outstanding Doctoral Student Award
Laura Pinheiro

W.N. Zelman Scholarship in Health Care Administration
Justin Dunham

DEPARTMENT OF HISTORY

American Studies Department, Archie Green Fellowship in Occupational Folklife
Emma Zoe Rothberg

Michael L. and Matthew L. Boyatt Award
Frances Cayton
Alexander Peeples
Michael Purello
Sophie Rupp

Center for Faculty Excellence, Future Faculty Fellowship
Elizabeth Anne Lundeen

Center for the Study of the American South, Hugh McColl Dissertation Fellowship
Elizabeth Anne Lundeen

Center for the Study of the American South, Summer Research Fellowship
Elizabeth Anne Lundeen

Clein Dissertation Grant
Louis Howard Porter

Peter Filene Creative Teaching Award
Nicole Therese Bauer
Elizabeth Hesseler

Foreign Language and Area Studies Fellowship
Kevin Hoeper (UNC Center for Slavic and Eastern European Studies)
Kenneth Alarcon Negy (UNC Center for European Studies)
Louis Howard Porter (UNC Center for Slavic and Eastern European Studies)

Graduate School, Dissertation Completion Fellowship
Nicole Therese Bauer
Louis Howard Porter

Graduate School, Georges Lurcy Off-Campus Dissertation Research Fellowship
Nicole Therese Bauer

Graduate School, Merit Assistantship
Sarah Kathryn Miles
Louis Howard Porter

Graduate School, Tuition Incentive Scholarship
Elizabeth Anne Lundeen

John C. and Susan M. Hoyle Graduate Student Excellence Fund in History
Kevin Joseph Hoeper

David Anthony Kusa Award
Jacob Bell
Frances Cayton

Medieval and Early Modern Studies, Conference Grant
Nicole Therese Bauer

Mowry Dissertation Grant
Louis Howard Porter

Quinn Writing Fellowship
Nicole Therese Bauer

Robinson Honors Fellowship
Michael Hensley
James Messmer

Royster Society of Fellows
Elizabeth Hasseler

Royster Society of Fellows, Paul Hardin Dissertation Fellowship
Elizabeth Hesseler

George B. Tindall Award for Summer Research
Elizabeth Anne Lundeen

CAROLINA CENTER FOR JEWISH STUDIES

Carolina Center for Jewish Studies Undergraduate Travel/Study Abroad Award
Shawna Milam
Lauren Rushing
David Katz Undergraduate Study Abroad Award
Catherine Atkinson
Addison Dunham

Elsie Kaplan "Mother" Shapiro ZBT Undergraduate Research and Travel Grant
Jamie Mace
Eric Kelly

DEPARTMENT OF LINGUISTICS

*The Marc Adam Eisdorfer Award in Linguistics**
Megan Keeter Fletcher

DEPARTMENT OF MATERNAL AND CHILD HEALTH

Melinda Kellner Brock Scholarship
Jenny Anand

Carolina Global Breastfeeding Institute Scholarship
Jenna McCready

Cynthia H. Cassell Doctoral Dissertation Award
Yanica Faustin
Nicole Kahn
Amelia Mackenzie
Bianka Reese

Edem Effiong Memorial Scholarship for Student Travel
Anna Bernstein
Sarah Neil
Caitlin Williams

Maternal and Child Health Kafrissen Travel Award
Saja Al-Falahi
Anna Austin
Kristin Bergman
Heather Biehl
Erin Burks
Caroline Heller
Ellison Henry
Alison McClay
Dianna Padilla
Eleanor Richards

* *Chancellor's Award*

Sarah Taylor Morrow Scholarship
Caroline Chandler

Jimmie Lee Rhyne Scholarship
Jessica Beliveau
Amy Shadron
Mallory Turner

John and Sallie Shuping-Russell Scholarship in Global Health
Lori Hendrickson

Earl and Gladys Siegel Student Support
Meghan Cutherell
Mikaela Freundlich

Katherine Ann Wildman Memorial Scholarship
Katherine Lewandowski

DEPARTMENT OF MATHEMATICS

Alfred T. Brauer Prize
Scott Emmons

*Archibald Henderson Mathematics Medal**
Shengding Sun

J. Burton Linker Award
Zeliha Kilic
Andrew Prudhom

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

The Graduate School Dissertation Completion Fellowship
Brandon Anjuwon-Foster
Jennifer Jones
Laurel Kartchner
Vivien Maltez (Royster Society of Fellows)
Brittany Miller

G. Philip Manire Graduate Student Excellence in Research Award
2018 – Brandon Anjuwon-Foster
2017 – Vivien Maltez

D. Gordon Sharp Graduate Innovator Award
2018 – Alan Tubbs
2017 – Christof Smith

DEPARTMENT OF MILITARY SCIENCE

*The George C. Marshall Award**
Luke Boehm

DEPARTMENT OF MUSIC

Music Department Award for Academic Excellence
Jack Gentry Fenner Perisich

David Arons Award for Excellence in Musical Performance
Margaret Susan Lynch

Baroque Ensemble Award
Adam Andrew Michael Maloney
Lee Treml

Chamber Music Award
Jack Livingston
Vivek Menon

Concerto Competition
Luke Joseph Boehm
Madeline Edwards
Margaret Susan Lynch
Adam Andrew Michael Maloney

Nelson Delgado Latin Jazz Student Award
Nathan Mason

Fred and Gail Fearing Jazz Award
David Paul Klingman
Avery Unterbrink Linderman

Danielle Elizabeth Liotta Award
Jordan Elizabeth Showalter Murdock

Major Y Award
Maverick Austin Dean Hart
Bryson Carl Lapping

*Earl Slocum Band Award**
Jack Livingston

Benjamin Swalin Orchestra Awards
Courtney Elizabeth Cash
Rachel Medlin Evans
Adam Andrew Michael Maloney
Jack Gentry Fenner Perisich

Other Awards

National Association of Teachers of Singing State Student Auditions
Luke Joseph Boehm, *First Place, Classical*
Christopher Michael Burrus, *First Place, Musical Theatre*
Kennedy Michael Crawford, *Second Place, Musical Theatre*
Madeline Edwards, *First Place Classical*
Madeline Fisher, *Honorable Mention, Classical and Musical Theatre*
Aneesa Glines, *Honorable Mention, Musical Theatre*
Lauren Marie Kneessy, *Third Place, Musical Theatre*
Hariklea Vasililike Kokenes, *Honorable Mention, Musical Theatre*
Michael Cloyd Laporte, *First Place, Classical*
Kristen Teresa Marion, *Second Place, Musical Theatre; Third Place, Classical*
Kara Elizabeth McNelis, *Second Place, Classical*
Ryan Davis Rowe, *Honorable Mention, Classical*
Savannah Samuel, *Third Place, Classical*
Anne Parrish Sutton, *First Place, Classical*

National Association of Teachers of Singing Regional Auditions
Luke Joseph Boehm, *First Place, Classical*
Madeline Edwards, *First Place, Classical*
Michael Cloyd Laporte, *Third Place, Classical*
Kristen Teresa Marion, *Third Place, Musical Theatre*
Kara Elizabeth McNelis, *Second Place, Classical*
Ryan Davis Rowe, *Fourth Place, Classical*

DEPARTMENT OF NAVAL SCIENCE/NROTC

Major Bradley Allen Barker III Scholarship Award
Patrick Joseph Buhr

Captain Tony F. Clark Oceanography Award
Tatihana Venetzia Moreno

CDR Christopher Mills Memorial Award
Alexander Harrison Stephenson

CNO Distinguished Graduate
Alexander Harrison Stephenson

Patrick Connor Award
Samir Dilipkumar Patel

*The Josephus Daniels Scholarship Medal**
Patrick Joseph Buhr

George Herbert Leadership Award
Thomas Jackson Singley

Hudson Foundation Scholarship Award
Patrick Joseph Buhr

NDIA
Patrick Joseph Buhr

Reserve Officers Association
Carlos Alexis Urquilla

Sandra and Charles Julian Wolfe Jr. Scholarship Award
Alexander Harrison Stephenson

DEPARTMENT OF NUTRITION

A. Hughes Bryan Outstanding Doctoral Award
Fei Dong
Gina Tripicchio

Ethel J. Coleman Scholarship in Nutritional Biochemistry
Liyang Zhao

MaryAnn C. Farthing Scholarship
Kathryn Bernstein
Michelle Davis
Casey Evans
Daniela Pimentel
Allison Russell
Megan Sweeney

Naomi R. Koehler Endowment for Professional Development in Nutrition and Women's Health
Omar Rezk

Cynthia Kay Reeser Scholarship
Rebecca Dobosy

Laurel E. Zaks Global Public Health Nutrition MPH Scholarship
Mackenzie Reeser

DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

American Heart Association Predoctoral Fellowship
Nicole Delita Fleming
Qiang Zhu

Congenital Heart Defect Research Award
Nicole Delita Fleming

Dissertation Completion Fellowship
James Robert Byrnes

Horizon Award
Katherine Gale Stember

International Society of Thrombosis and Hemostasis Young Investigator Award
James Robert Byrnes

Ross and Charlotte Johnson Family Dissertation Completion Fellowship
Ashley Michelle Fuller

Ruth L. Kirschstein Predoctoral Individual National Research Service Award
Sravya Kattula

NIH Integrated Vascular Biology Training Grant
Zachary Kyle Opheim
Haley Ruth Vaseghi

Department of Pathology and Laboratory Medicine Research Symposium Excellence in Research Presentation Award
Rachel Ann Dee
Katherine Gale Stember

Department of Pathology and Laboratory Medicine Research Symposium Trainee Choice Award
Bethany McInturff Batson

Katherine Pryzwansky Young Investigator Award
Haley Ruth Vaseghi

Renal Epidemiology Training Grant
Katherine Gale Stember

Royster Society of Fellows
Ashley Michelle Fuller

Bill Sykes Scholar Award
Abigail Kathleen Shelton

Robert H. Wagner Scholar Award
James Robert Byrnes
Bethany Lauren Wagner

CURRICULUM IN PEACE, WAR AND DEFENSE

Russell S. Cowell Jr. Academic Excellence Award in the Major
Justin David Cole

Richard H. Kohn Academic Excellence Award
Zachary Curtis Boyd

DEPARTMENT OF PHILOSOPHY

*The Worth Award**
Russell McIntosh

DEPARTMENT OF PHYSICS AND ASTRONOMY

Daniel C. Johnson Outstanding Junior Award in Physics
Yi Hu
Maggie Scott Hilderbran

Outstanding Graduate Teaching Assistant Award
Reece Boston
Zafrullah Jagoo

Outstanding Undergraduate Teaching Assistant Award
Kristin Isbell

*Paul E. Shearin Outstanding Senior Award in Physics**
John Martin

Robert Shelton Award for Outstanding Research
Dylan Dutton

DEPARTMENT OF POLITICAL SCIENCE

*L. Richard Preyer Award for Excellence in Political Science**
Rachel Katherine Nixon

DEPARTMENT OF PSYCHOLOGY AND NEUROSCIENCE

Lindquist Undergraduate Research Awards
Emily Banks
William Booker
Yumei Chen
David Choi
Cassidy Fry
Rachael Kang
Kenny Le
Alex Martin
Saif Mehyar
Carrington Merritt
Mahogany Monette
Tate Overbey
Logan Smith
Mary Smith
Lynde Wangler
Elizabeth Wallace

David Bray Peele Award
Emily Banks
Adrienne Bonar
Yumei Chen
Cassidy Fry
Heather Ortega
Sarah Palasick
Logan Smith
Lynde Wangler

J. Steven Reznick Diversity and Psychological Research Grant
Carrington Merritt

Summer Undergraduate Research Fellowship
William Booker
Jhana Parikh
Shelby Waldron

DEPARTMENT OF PUBLIC HEALTH LEADERSHIP

Imogene Pence Klingenfus Endowment Fund Scholarship
Grace Greene

DEPARTMENT OF PUBLIC POLICY

The Richard "Pete" Andrews Fellow in Environmental Policy
Anna Elizabeth Brodmerkel

The Michael A. Stegman Award for Policy Research and Advocacy
Eliza Filene

The Kathy A. Taft Education Policy Award
Andrea Jacqueline Barnes

DIVISION OF RADIOLOGIC SCIENCE

Award of Academic Excellence
Meek Myoung

Faculty Award of Excellence
Veronica Christine Dziuk

Tina D. Robbins Award
Markella Embree

DEPARTMENT OF RELIGIOUS STUDIES

*The Bernard Boyd Memorial Prize**
Sydra Siddiqui

DEPARTMENT OF ROMANCE STUDIES

*The Camões Prize in Portuguese**
Trevor Hair

*The Jacques Hardré Undergraduate Award for Excellence in French**
Andrew Clark

*The Sterling A. Stoudemire Award for Excellence in Spanish**
Frances Reuland

DEPARTMENT OF SOCIOLOGY

*Howard W. Odum Undergraduate Sociology Award**
Katie Arney

DIVISION OF SPEECH AND HEARING SCIENCES

Adult Communication Disorders Annual Scholarship
Amanda Coats

June C. Alcott Fellowship
Roberta Irene Romero

ASH Foundation Graduate Student Award
Caroline Traub

ASH Foundation Graduate Student Scholarship
Tyson Harmon

ASHA SPARC Award
Michael Smith

The Millicent Blair-Arnett Memorial Speech-Language Pathology Annual Scholarship
Morgan Billinger
Shakeia Burgin

Dr. Sylvia Campbell Speech and Hearing Sciences Annual Scholarship
Michelle Fronzaglia
Kendra Thomas

DAHS Student Research Ambassador Award
Marziye Eshghi

Dissertation Completion Award
Marziye Eshghi

Dissertation Completion Fellowship
Tyson Harmon

Future Faculty Fellowship Program
Marziye Eshghi
Sallie Nowell

Graduate Student Travel Grant, ASHA Conference 2017
Alexandra Stewart

John B. Graham Student Research Society
Tyson Harmon

Guion Griffis Johnson Memorial Scholarship
Morgan McGowan

David P. Kuehn Speech Scholarship
Marziye Eshghi

Karlind T. Moller Scholarship
Marziye Eshghi

New Century Scholars Doctoral Scholarship
Marziye Eshghi

NIDCD Research Symposium in Clinical Aphasiology Student Fellowship Award
Tyson Harmon

North Carolina Speech Hearing Language Association Student Achievement Award
Amanda Coats

The Robert W. Peters Award For Excellence in Research Endowment
Michael Smith

Phi Kappa Phi Love of Learning Award
Abigail Messinger

Sertoma Communicative Disorders Scholarship
Caroline Traub

UNC Center for Public Service Community Engagement Fellowship
Tyson Harmon
Sallie Nowell

UNC Hospitals Auxiliary Volunteer Association's Allied Health Fellowship
Amanda Coats

U.S. Dept. of Education Doctoral Leadership Grant
Sallie Nowell

Rebecca Rule Womble Speech and Hearing Sciences Annual Scholarship
Michelle Fronzaglia

DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

W. Robert Mann Award
Grant Braam

Statistics and Analytics Award
Ying Zheng

STOR Outstanding Achievement Award
Miheer Dewaskar
Weibin Mo

STOR Teaching Award
Suman Chakraborty
Yifan Cui
Dylan Glotzer
Siliang Gong

DEPARTMENT OF WOMEN'S AND GENDER STUDIES

*The Mary Turner Lane Award in Women's and Gender Studies**
Sarah Jeffries

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Kylie Corcoran Apple
Tiffany Bailey
Angelyn (Angie) S. Bitting
Emily Blackburn
Douglas S. Dibbert
Lauren M. DiGrazia
Jeffrey W. Fuchs
Adina Girmay
Austin Gold
Deborah L. Hawkins
Manuel Hernandez Jr.
Amy Hertel
Shayna Hill
Rudolph Valentino Jones
Jacob Kornegay
Sean Kurz
Kelly Miller
Mark Moon
Cecelia Moore
Laura Hayes Morgan
Hoi Ning Ngai
Leslie V. Parise
Joanne Peters
Valerie A. Price
Savannah Putnam
Terry Ellen Rhodes
James I. Spurling
Vincas Steponaitis
Natalie Vizuete
Stacey Harris Warner

Credits

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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

THE UNIVERSITY
OF NORTH CAROLINA
AT CHAPEL HILL

2018

COMMENCEMENT

SUNDAY, DECEMBER 16

MESSAGE *from the* CHANCELLOR CAROL L. FOLT

Welcome to your Tar Heel Graduation. You have accomplished so much during your time at Carolina, and today we join as a community to celebrate your success.

Family members and friends, today is a wonderful transition for your student from our campus into a world needing their intelligence and questioning mind, compassionate understanding and commitment to service. We thank you for providing the counsel, support and encouragement that guided them along their chosen path to this special time in their lives.

Graduates, we celebrate your accomplishments at Carolina and wish you all the best as you make your own contributions across our state, nation and world. Personal drive and determination to understand, innovate and create – helped along by faculty who believed in you and fueled your passion – brought you here today. You are ready to move forward, joining generations of Carolina graduates who tackled the thorniest and most complex problems of their age.

I encourage you to remain connected to your Carolina family. This global network cares deeply about you and your future. It will join you for celebrations of your success and lend a helping hand and sympathetic ear as you face life's challenges.

Congratulations! We look forward to learning about your accomplishments in the years ahead.

Carol L. Folt

CAROL L. FOLT

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Terry Rhodes, *Professor and Senior Associate Dean for Fine Arts and Humanities*
	The Official Party
	The Faculty
	The Candidates for the Degrees of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health
	The Candidates for Master's and Professional Degrees
	The Candidates for Baccalaureate Degrees SENIOR CLASS MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS
Presiding	Carol L. Folt, *Chancellor of The University of North Carolina at Chapel Hill*
National Anthem	Dawn Marie Locklear, *Class of 2018 (December)* WITH THE ENTIRE ASSEMBLAGE
Recognition of Platform Party	Carol L. Folt
Welcome Remarks	FOR THE BOARD OF TRUSTEES OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL Charles G. Duckett
	FOR THE GENERAL ALUMNI ASSOCIATION Ferg Norton, *Chair, Board of Directors*
Introduction of Commencement Speaker	Sean Kurz, *President of the Class of 2019*
Commencement Address	Winston B. Crisp, *Former UNC Vice Chancellor of Student Affairs*
Recognition of Doctoral Candidates	Steven W. Matson, *Dean, The Graduate School*
Introduction of Deans, Conferring of Degrees, and Chancellor's Charge to the Graduates	Carol L. Folt
Ceremonial Recognition of the Graduates	Adina Girmay, *Vice President of the Class of 2019*
"HARK THE SOUND"	Dawn Marie Locklear
Academic Recessional	*Please remain in place for the recessional of the Official Party, Faculty and Candidates for Degrees – led by the Faculty Marshal and the Senior Class Marshals.*

CAROL L. FOLT

Chancellor

Carol L. Folt is the 11th chancellor of the University of North Carolina at Chapel Hill. She has worked to fulfill her leadership mission by placing Carolina's students at the center, advancing the University's academic excellence, championing Carolina as a leading global public research university and focusing on innovation and entrepreneurship.

For the 17th time, Carolina was the best value in American public higher education, according to Kiplinger's Personal Finance, reflecting the University's long-standing commitment to opening access to a high-quality, affordable education to talented students from all backgrounds. Under Folt's leadership, the University surpassed $1 billion in annual research expenditures in 2017. Carolina ranks 6th in the nation in overall federal research and development. Research provides students with unique, hands-on learning experiences, and more than 60 percent of all students conduct independent research before graduating.

In 2017, the University launched The Blueprint for Next, the first unifying strategic framework for the future of Carolina in its history. The Campaign for Carolina, a $4.25 billion campaign dedicated to using every dollar to advance the public good, reached the halfway mark earlier this year. Inspired by the transformational impact that the arts made in her life and work as a scientist, Folt initiated Arts Everywhere, a pan-university program celebrating the multifaceted power of the arts to illuminate the human condition, allow for reflection, promote dialogue and provoke action.

An internationally recognized life scientist, award-winning teacher and accomplished academic leader, Folt came to Carolina in 2013 from Dartmouth College, where she spent 30 years as a teacher and academic leader.

Follow @ChancellorFolt on Twitter and Instagram

WINSTON B. CRISP

The Commencement Speaker

A 1989 graduate of Johnson C. Smith University in Charlotte, N.C., Winston Crisp arrived at UNC–Chapel Hill that same year to attend the School of Law. Upon graduation in 1992, he became the law school's first full-time assistant dean for student affairs and the first associate dean for student services. In those positions, he played a key role in strengthening coordination among the academic program, financial management, outreach and student support areas.

Crisp joined student affairs at UNC–Chapel Hill in 2005 as assistant vice chancellor. In 2010, he was named vice chancellor and remained in that role until October 2018, when he retired from the University after 26 years of service. During his time at Carolina, Crisp became an integral part of the student experience, serving thousands of students and families. He earned a reputation as a problem-solver, able to sort through tangled situations and prioritize. For him, the top priority has always been what is best for students.

He also invests in the Chapel Hill community through his work on the boards of the Dispute Resolution Center and the Orange County Rape Crisis Center, and he is a Boy Scout merit badge leader.

Officers of the Class of 2019

Sean Michael Fassberg Kurz, *President*
Adina Girmay, *Vice President*
Caroline Bowers '16, *Advisor*
Laura Schoedler '12, *Annual Giving Liaison*

Marshals of the Class of 2019

Jessica Lynn Abel
Fatima Al-Kadhi
Kendall Marie Anderson
Sreya Atluri Atluri
Sara Barfield
Caroline Jackson Bass
Jordan Rose Bermudez
Alexander Paul Bianchi
Alexandra Lynn Braccia
Tia Devonne Byers
Benjamin Scott Campbell
Emily Rose Chavis
Sydney G. Cheek
Alexandra Ray Davis-Isaac
Aleksandra M. Daws
Marquise Deont'e Drayton
Wallace Mae Shell Driggers
Julian Andres Esain
Khushnood Faraz
Shenece K'Yana Ferguson
Nile Fisher
Clare Marie Gibbons
Amber Goodwin
Hannah Harrington Gray
Grayson I. Gruninger
Destiny April Guzman
Isabelle Priscilla Hirschy
Callie O'Quinn Hucks
Gabrielle Josephine James
Gabrielle Johnson
Rachael Nicole Johnson
Emma Josephine Karlok
Krista Lamonds
Madison Lindsay Langston
Qieara Nicole Lesesne
Edith Danzey Lindley
Hailey Nicole Mason
Sophia C. McFarlane
John Garrett Merville
Sidney Aleda Morris
Sebastian Brant Nabatoff
Bryanna Patterson
Mark Richard Petersen
Cassidy Taylor Pinyan
Jabril Rice
Elissa Marie Scherer
Michael Anthony Seethaler
Lauren Elizabeth Shumpert
Polly Kristine Sjoberg
Sarah Elizabeth Smith
Selwyn Alexis Southerland
Noaam Zahavi

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DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Business Journalism
Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication
Certificate – UNC Core

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English and Comparative Literature; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Elementary Education; Human Development and Family Studies; Middle Grades Education
Bachelor of Arts in Media and Journalism
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Mathematical Decision Sciences; Mathematics; Neuroscience; Physics; Psychology; Statistics and Analytics
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Digital Communication
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Public Health Leadership
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Digital Communication; Ecology; Education; Educational Innovation, Technology, and Entrepreneurship; English and Comparative Literature; Exercise and Sport Science; Folklore; Geography; German Studies; Global Studies; History; Linguistics; Mathematics; Media and Communication; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education for Experienced Teachers; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Professional Science in the discipline of:
Biomedical and Health Informatics; Digital Curation and Management; Toxicology
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell Biology and Physiology; Chemistry; Clinical Rehabilitation and Mental Health Counseling; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science;

Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neuroscience; Nutrition; Occupational Therapy; Operative Dentistry and Biomaterials; Oral and Craniofacial Biomedicine; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research

Master of Science in Disaster Management

Master of Science in Environmental Engineering

Master of Science in Information Science

Master of Science in Library Science

Master of Science in Nursing

Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health

Master of Social Work

Doctor of Nursing Practice

Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biological and Biomedical Science; Biomedical Engineering; Biostatistics; Business Administration; Cell Biology and Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Computer Science; Ecology; Economics; Education; English and Comparative Literature; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; German Studies; Germanic Languages; Health Behavior; Health Informatics; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Materials Science; Maternal and Child Health; Mathematics; Media and Communication; Microbiology and Immunology; Musicology; Neuroscience; Nursing; Nutrition; Occupational Science; Oral and Craniofacial Biomedicine; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology

Doctor of Dental Surgery

Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership

Doctor of Medicine

Doctor of Pharmacy

Doctor of Physical Therapy

Juris Doctor

CANDIDATES *for* GRADUATE DEGREES

December 2018 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Katharine Rita Aha, *Political Science,* Ethnic Heterogeneity and Party Politics in Eastern Europe. Professor Milada Anna Vachudova.

Blake Harris Albright, *Genetics and Molecular Biology,* Determinants of AAV Transport Across the Blood-Brain Barrier. Professors Aravind Asokan and Ronald Swanstrom.

Victoria Brings Bartsch, *Cell Biology and Physiology,* Characterization of Diacylglycerol Kinases Eta and Iota in Itch, Pain and Psychopathological Behavior in Mice. Professor Mark J. Zylka.

Justin Herman Baumann, *Marine Sciences,* The Impacts of Anthropogenic Global Change and Local Human Activities on Reef-Building Corals on the Belize Mesoamerican Barrier Reef System. Professor Karl D. Castillo.

Kathryn Rehain Bell, *Genetics and Molecular Biology,* Regulation of Stable and Dynamic Cytoskeletal Rings in C. elegans. Professor Amy Shaub Maddox.

Andrew Best, *Computer Science,* Artificial Intelligence; Autonomous Driving; Crowd Simulation; Motion Planning. Professor Dinesh Manocha.

Samantha Miller Bevill, *Pharmacology,* Transcriptional Adaptation to Targeted Inhibitors via BET Bromodomain Proteins in Triple-Negative Breast Cancer. Professor Gary L. Johnson.

Nivedita Latha Bhushan, *Health Behavior,* Social Influence and Contraceptive Use Among Adolescent Girls and Young Women in Malawi. Professor Edwin B. Fisher.

Kristen Ashley Biernat, *Chemistry,* Structure and Function Studies of Gut Microbial ß-Glucuronidases and the RiPP Enzyme PaaA. Professor Matthew Redinbo.

Justin Blaine Blanton, *History,* Becoming Chiquitano: Crafting Identities in the Broader Paraguayan River Basin. Professor Cynthia Radding.

Laura Elizabeth Britton, *Nursing,* Sociodemographic, Cognitive and Affective Antecedents to Pregnancy Planning Among Women With Diabetes. Professor Diane Berry.

Micah Daniel Brown, *Chemistry,* Strategies to Improve Electrochemical Detection of Nitric Oxide in Biological Environments. Professor Mark H. Schoenfisch.

Emma Rachel Calabrese, *English and Comparative Literature,* Making Sense of American Regional Literature, 1865–1914. Professor Eliza Richards.

Angelica Castillo, *History,* Charrería, Nationalism and Manly Relevance in Modern Mexico. Professors Kathryn J. Burns and John C. Chasteen.

Emma-Elizabeth Margaret Cating-Subramanian, *Chemistry,* Incredibly Fast and Extremely Cold: Development of Low-Temperature Ultrafast Microscopy. Professors John M. Papanikolas and Yosuke Kanai.

Sujatro Chakladar, *Biostatistics,* Causal Inference With Partial Interference and Right Censored Outcomes. Professor Michael G. Hudgens.

Naihan Chen, *Pharmaceutical Sciences,* Characterization of Degradation Profiles of Acetalated Dextran Microparticles and Their Application for Immune Modulation. Professors Kristy Ainslie and Michael Jay.

Wanyi Chen, *Statistics and Operations Research,* A Data-Driven Approach for Operational Improvement in Emergency Departments. Professors Nilay Argon and Serhan Ziya.

Ning Cheng, *Oral and Craniofacial Biomedicine,* Sting Activating Particles for Cancer Immunotherapy. Professor Jenny P. Y. Ting.

Anna Marie Chiarella, *Genetics and Molecular Biology,* Novel Bifunctional Molecules Redirect Chromatin-Modifying Machinery to Study and Control Gene Expression. Professor Nate Hathaway.

Hyo Young Choi, *Statistics and Operations Research,* Scissor for Finding Outliers in RNA Sequencing. Professors J. S. Marron and David Hayes.

Ashley L. Cole, *Pharmaceutical Sciences,* Comparative Safety and Healthcare Resource Utilization Associated With First-Line Treatments for Chronic Myeloid Leukemia. Professor Jennifer Elston Lafata.

Cole Cruz, *Chemistry,* Development and Mechanistic Study of Photoredox Systems. Professor David A. Nicewicz.

Stephanie Marie DeLong, *Epidemiology,* Intimate Partner Violence and Incident HIV Among Adolescent Girls and Young Women in Agincourt Area, South Africa. Professor Audrey Pettifor.

John Robert Dermigny, *Physics,* Investigation of the 30Si(p, γ)31P Reaction. Professor Christian Iliadis.

Brett Thomas Doherty, *Epidemiology,* Prenatal Exposure to Organophosphate Esters and Cognitive and Behavioral Development in Young Children. Professor Julie Daniels.

Patrick James Dombrowski, *Classics,* The Invention of Magic in the Age of Augustus. Professor James B. Rives.

Joel Khalil Durand, *Genetics and Molecular Biology,* Investigating the Role of DNA Methylation and NF-kappaB Signaling in KRAS-Driven Cancer. Professor Albert S. Baldwin.

Michelle Engle, *Genetics and Molecular Biology,* Gene Expression in Murine Lungs Differs After Single and Repeated Exposures to Cigarette Smoke. Professor Claire Doerschuk.

Daniel Odey Erim, *Health Policy and Management,* Policy-Relevant Characteristics of Depressive and Anxiety Disorders in Prostate Cancer Survivors. Professors George Pink and Sally Stearns.

Davenne Oriana Essif, *Art History,* La Mère Moderne: Representations of Motherhood in French Visual Culture, 1910–1940. Professor Daniel J. Sherman.

Samuel Roger Finesurrey, *History,* Cuba's Anglo-American Colony in Times of Revolution (1952–1961). Professor Louis A. Pérez.

Katie Camille Friedman, *Environmental Sciences and Engineering,* Evaluation of Antimicrobial Metals for Enhanced Performance of Household Water Treatment Methods. Professor Mark Sobsey.

Michelle Lee Gallagher, *Psychology,* Failure and Interpersonal Loss Events in the Longitudinal Prediction of Suicidal Ideation and Behavior in Adolescent Girls: An Examination of Potential Moderators. Professor Mitchell J. Prinstein.

Jie Gao, *Marine Sciences,* On the Surface Wind Stress for Storm Surge Modeling. Professor Rick Luettich.

Rebecca R. Garonzik, *English and Comparative Literature,* Eros Galvanized: Critical Intersections of Eroticism and Politics in Contemporary Literatures of the Americas. Professor Juan Carlos González Espitia.

Elizabeth Marie Garry, *Epidemiology,* Study Design Choices for Evaluating Comparative Safety of Diabetic Medications. Professor Til Stürmer.

Timothy Garvey, *Materials Science,* Pulsed Laser Deposition of Nanostructured Electrodes and Their Utility in Photochemical Cells. Professors Rene Lopez and Scott Warren.

Sean Patrick Gaynor, *Geological Sciences,* Modification of the Crust: Mineralization and Alteration in Long-Lived Magmatic Centers. Professor Drew Coleman.

Steffen Nathaniel Good, *Chemistry,* Pairwise Oxidative Dearomatization and N-Hydroxycarbamate Dehydrogenation: Molecular Complexity via an Acylnitroso Diels-Alder Cycloaddition Cascade Inspired by Tetrodotoxin. Professor Jeff S. Johnson.

Daniel Robert Goulet, *Pharmacology,* Discrete Adaptive Responses to MEK Inhibitor in Subpopulations of Triple-Negative Breast Cancer. Professor Gary Johnson.

Claire Elizabeth Greenstein, *Political Science,* Pressures, Promises and Payments: Explaining Governments' Reparations Decisions After Domestic Human Rights Abuses. Professor Milada A. Vachudova.

Sharon Leigh Guffy, *Biochemistry and Biophysics,* Methods for Designing Zinc-Binding Proteins With Native and De Novo Scaffolds. Professor Brian Kuhlman.

Alex Joseph Guseman, *Chemistry,* Protein Dimerization in Physiologically Relevant Environments. Professor Gray J. Pielak.

Meghan Evelynne Harter, *Education,* Education and Employment in an Alaskan Community: Career and Technical Education, Schooling to Work Transitions and an Alaska Native Tribe. Professor George Noblit.

Kamden Hayashi, *Health Behavior,* Time Preference and HIV Risk Behavior in Kenya and Malawi. Professor Suzanne Maman.

Adrienne Leigh Hoarfrost, *Marine Sciences,* Linking Environmental and Microbial Processes From Community to Global Scales. Professor Carol Arnosti.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Lauren Fowler Holahan, *Occupational Science,* A Demonstration of the 'Transactional Perspective as Method' Integrating Occupational Science and Implementation Science. Professor Nancy Bagatell.

Junpyo Hong, *Computer Science,* Classification of Neuroanatomical Structures Based on Non-Euclidean Geometric Object Properties. Professor Stephen M. Pizer.

Jun Hu, *Chemistry,* Two-Dimensional Organic-Inorganic Hybrid Perovskite Solar Cells. Professor Wei You.

Kelsey Johanna Jesser, *Marine Sciences,* Sequence-Based Approaches for the Study of Vibrio Ecology and Virulence Traits. Professor Rachel T. Noble.

Mark Andrew Johnson, *Education,* The Politicization and Fate of the Common Core: An Analysis of the Narratives Told by an Advocacy Coalition on the Politics of Common State Standards. Professor Catherine Marshall.

Moira Pauline Johnson, *Sociology,* The Social Determinants and Health Consequences of Non-Cognitive Resources in Young Adulthood. Professor Kathleen Mullan Harris.

Kathleen S. Kenny, *Maternal and Child Health,* The Role of Child Custody Loss to Child Protective Services in Shaping Health and Wellbeing Among Women Who Do Sex Work in Vancouver, Canada. Professor Sherri Green.

Colleen Jane Lawrimore, *Neuroscience,* The Role of Neurons and Glia in Ethanol-Induced Innate Immune Signaling. Professors Fulton T. Crews and A. Leslie Morrow.

Madison Nicole LeCroy, *Nutrition,* Targeting the Home Food Environment for Obesity Prevention in Immigrant Ethnic Minorities. Professor June Stevens.

Kent Mung-Hao Lee, *Psychology,* The Emergence and Consequences of Self-Focused vs. World-Focused Experiences of Affect. Professors Keith Payne and Kristen Lindquist.

Rachel Joanne Levandoski, *History,* "The Touchstone of Insanity": Perceptions of the Psychological Trauma of War Within the United States From 1861 to 1918. Professor Wayne Lee.

Ciaokai Liang, *Environmental Sciences and Engineering,* The Impact of Air Pollutant Transport on Air Quality and Human Health in Global and Regional Model Applications. Professor Jason West.

Stacy Li-farn Lin, *Psychology,* Examining Ethnicity-Related Risk Factors for Eating Disorder Symptoms in African American, Asian American, Latina and Caucasian Women. Professor Anna Bardone-Cone.

Michael Harris Little, *Education,* Putting 'Pre' in 'School': The Institutionalization of Preschool in Elementary Schools. Professor Lora Cohen-Vogel.

Nancy Paulina Lopez Olmedo, *Nutrition,* Examining Socioeconomic Disparities in the Diet Quality and the Association With Cardiometabolic Measures Among Mexican Adults. Professors Barry M. Popkin and Lindsey Smith Taillie.

David R. Marshall, *Marine Sciences,* Dynamics and Mixing in a Microtidal, Wind-Driven Estuary. Professor Johanna Rosman.

Christina Marvin, *Chemistry,* Spatial and Temporal Delivery of Small Molecules From Long Wavelength Sensitive Phototherapeutics Using Erythrocytes as Biological Carriers. Professor David S. Lawrence.

Brittany Kristine Miller, *Microbiology and Immunology,* Identification of a Chaperone for the SecA2 Protein Export Pathway of Mycobacterium Tuberculosis. Professor Miriam Braunstein.

Milad Minooie, *Mass Communication,* Testing the Agendamelding Theory: How Audiences Tailor Agendas to Suit Their Needs. Professors Donald L. Shaw and Francesca Dillman Carpentier.

Lana Marie Minshew, *Education,* Student-Generated Questions in Inquiry Science: Connecting to Collaborative Argumentation. Professor Janice L. Anderson.

Emily Moeng, *Linguistics,* The Acquisition of Phonetic Categories: An Artificial Language Learning Study. Professor Elliott Moreton.

Rahim Shiraz Mohamed, *Political Science,* Strange Bedfellows: Conservative Governments and Family Policy in Canada and Germany, 2005–2015. Professor John D. Stephens.

Cristin Montalbano, *School Psychology,* Academic Performance of Children With Social-Emotional Difficulties: Examining the Role of Self-Regulation. Professor Desiree W. Murray.

Sahil Narang, *Computer Science,* Stimulating Plausible Movement-Based Interactions Between Agents and Avatars Using Biomechanical Principles and Psychological Factors. Professor Dinesh Manocha.

Andrea Sofia Otero Cortes, *Economics,* Essays on Labor Informality in Developing Countries. Professor Klara Peter.

Pradeem Kumar Pendem, *Business Administration,* Data-Driven Models of Customer Behavior to Improve Operational Efficiency in Service Systems. Professor Vinayak Deshpande.

Pedro Nicolas Pozo, *Genetics and Molecular Biology,* Determining the Cellular and Molecular Consequences of Naturally Occurring and Engineered Mutations in the Cell Cycle Gene CDT1. Professor Jeanette Gowen Cook.

Andrew A. Prudhom, *Mathematics,* Potentials of a Family of Arrangements of Hyperplanes and Elementary Subarrangements. Professor Alexander Varchenko.

Sarah McCormick Rhodes, *Environmental Sciences and Engineering,* High-Density Hog Production and Occurrence of Antibiotic-Resistant Staphylococcus aureus in Hogs, Community Residents and the Environment in North Carolina, USA: A One Health Analysis. Professor Jill Stewart.

Sean Tyler Rogers, *Mathematics,* The Springer Morphism, Polynomial Representation Rings and the Cohomology Ring of Grassmannians. Professor Shrawan Kumar.

Kristina Norinne Schaefer, *Genetics and Molecular Biology,* Assembly and Disassembly of the Wnt Beta-Catenin Destruction Complex. Professor Mark Peifer.

Sarah Rose Schmitt, *Geography,* The Role of Fog in the Hydrological Functioning of Tropical Island Ecosystems. Professor Diego Riveros-Iregui.

Shannon Trosper Schorey, *Religious Studies,* The Internet is Holy: New Religious Movements and the Fight for the Future of the Internet. Professor Randall Styers.

Chong Shao, *Computer Science,* Prioritizing Content of Interest in Multimedia Data Compression. Professors Shahriar Nirjon and Russell M. Taylor II.

Mariesa Jacqueline Slaughter, *Genetics and Molecular Biology,* Understanding the Relationship Between Histone Acetylation and Bromodomain Targeting. Professor Ian J. Davis.

Lydia Ivy Smith, *Genetics and Molecular Biology,* Using Quantitative Fluorescent Microscopy to Characterize Centromeric Epigentic Regulation in the Developing Embryo of Caenorhabditis elegans. Professor Paul S. Maddox.

Nithya Srinivas, *Pharmaceutical Sciences,* Distribution of Antiretrovirals Within the Brain Tissue and Relationship With Neurocognitive Impairment Due to HIV. Professor Angela D.M. Kashuba.

Tianxiao Sun, *Statistics and Operations Research,* Newton-Type Methods Under Generalized Self-Concordance and Inexact Oracles. Professors Quoc Tran-Dinh and Shu Lu.

Eric Trexler, *Human Movement Science,* Performance Effects of Citrulline Malate and Beetroot Juice Supplementation. Professor Abbie E. Smith-Ryan.

Chung Kin Tsang, *Communication Studies,* House Buying as Hope Mechanism: The Culture of Homeownership in Hong Kong (1970s–2010s). Professor Lawrence Grossberg.

Alan Lewis Tubbs, *Microbiology and Immunology,* Role of Heterodox Innate Immune Defenses in Gastrointestinal Health and Disease. Professor Edward A. Miao.

Erika Marie Van Goethem, *Chemistry,* Imaging Charge Carrier and Acoustic Phonon Dynamics in Semiconductor Nanomaterials Using Ultrafast Pump-Probe Microscopy. Professor John M. Papanikolas.

Lindsey Marie West Wallace, *Anthropology,* Here and Away: Motherhood and Belonging Among Expat Women in Geneva, Switzerland. Professors Michele Rivkin-Fish and Peter Redfield.

Jingbo Wang, *Environmental Sciences and Engineering,* Characterization of the Solute Transport Properties of the Active Layers of Polyamide Thin Film Composite Membranes. Professor Orlando Coronell.

Yue Wang, *Biostatistics,* Partial Least Square Methods for Functional Models. Professors Hongtu Zhu and Joseph Ibrahim.

April Danielle Weintritt, *Romance Languages and Literatures,* Culinary Professions in Early Modern Italian Comedy. Professor Ennio Rao.

Cherish Rashae Williams, *School Psychology,* Racial Identity Development, Racial Discrimination and Other Psychosocial Outcomes of African American Students in Rural, Racially Segregated High Schools in the 21st Century. Professors Dana Thompson Dorsey and Rune Simeonsson.

Michael D. Wolcott, *Education,* The Situational Judgment Test Validity Void: Describing Participant Response Processes. Professor Gregory Cizek.

Xiaofan Xu, *Nutrition,* Associations Between Inorganic Arsenic Exposure and the Development of Type 2 Diabetes: Dietary and Genetic Susceptibility. Professor Penny Gordon-Larsen.

Blane Philip Zavesky, *Chemistry,* Enhancing the Synthetic Utility of Enantioconvergent Addition Reactions and Progress Towards a Convergent, De Novo Synthesis of Jervine. Professor Jeffrey S. Johnson.

Jingwen Zhang, *Biostatistics,* Advanced Methods for Discovering Genetic Markers Associated With High Dimensional Imaging Data. Professors Hongtu Zhu and Joseph Ibrahim.

Ying Zhang, *Business Administration,* Managing Emerging Market Operations. Professor Jayashankar M. Swaminathan.

Liyang Zhao, *Nutrition,* The Role of Acyl-CoA Synthetase-Mediated Fatty Acid Metabolism in Metabolic Myopathy and Atherosclerosis. Professor Rosalind Coleman.

Shuting Zheng, *Education,* Subgroups of Preschoolers With Autism and Influential Factors of Their Responses to TEACCH, LEAP and Non-Model-Specific Preschool Programs. Professor Harriet Able.

DOCTOR OF EDUCATION

Elena Lucier Ashburn, *Educational Leadership,* Making Women Men: What Female Superintendent Stories Tell Us About the Gender Gap in the North Carolina School Superintendency. Professor Catherine Marshall.

DOCTOR OF NURSING PRACTICE

Charles Michael Combs II, *Nursing Practice,* Healthy Work Environments: Improving Staff Satisfaction and Employee Productivity in a Non-Traditional Nursing Work Environment Through Employee Recognition. Professor Rebecca Kitzmiller.

Shannon Nicole Scearce, *Nursing Practice,* Implementation of a Warfarin Dosing Protocol in Rural Primary Care. Professor Carrie Palmer.

DOCTOR OF PUBLIC HEALTH

Brian Christopher Castrucci, *Health Policy and Management,* Generational Differences in Training, Job Satisfaction and Intent to Leave Among the State Governmental Public Health Agency Workforce. Professor Leah McCall Devlin.

Innocent Ndubuisi Ibegbunam, *Health Policy and Management,* Exploring Structural and Systemic Improvements to Promote Effective and Efficient Pharmaceutical Supply Chain Management for HIV/AIDS Service Delivery in Nigeria. Professor Pam Silberman.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

December 2018

The School of Law

ESTABLISHED 1843

Dean Martin H. Brinkley

JURIS DOCTOR

Jonathan V. Lewis

The School of Medicine

ESTABLISHED 1879

Dean William L. Roper

DOCTOR OF MEDICINE

Paul Cho
Rakhee Shirish Devasthali
Peter W. Fung
Patrick Yunlong Lang
Marni Blair McClure
Joshua Lyle Munson
Siten Dinesh Patel
Sarah Asman Peiffer

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

FOR CAROLINA'S NEWEST ALUMNI

The UNC General Alumni Association is eager to help the class of 2018 make a successful transition from student to alumna/us. We'll keep Carolina connections strong by introducing our newest graduates to our vast network of supportive alumni. We also provide communications, programs and services to keep you informed and involved.

ALUMNI RECORDS

Don't miss out on special invitations and services. Keep your record updated.

ALUMNI CAREER SERVICES

The GAA's Alumni Career Services will help you navigate employment options and opportunities throughout your career. Whether you already have a job, are heading to graduate school or are still looking for your next step, we can help.

EVENTS WITH TAR HEELS

No matter where you roam, there will likely be others in your midst who attended Carolina. The GAA will help with those introductions – don't miss out.

UNC ALUMNI APP

Wherever you go, keep Carolina in your pocket when you download the "UNC Alumni" app and log in. Discover nearby alumni events and Tar Heel happenings relevant to you.

TRUSTED SOURCE

Information is everywhere, but you can count on the GAA's young alumni e-newsletter The Quad and the Carolina Alumni Review to bring you home again with every issue.

Special membership rates are available to new grads. Save $50 on life membership — $36.50/month for 24 months. New grad auto-renewing annual membership is only $30/year for the first three years.

THE UNIVERSITY OF NORTH CAROLINA • GENERAL ALUMNI ASSOCIATION •

For more information on how the GAA serves new graduates, call Katie Thore '15 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts that maintain and enhance the University's tradition of excellence. Annual gifts impact every aspect of campus life. For example, they help provide scholarships, new research buildings and equipment, access to incredible performances and more than six million volumes in the libraries across campus.

You're invited to support UNC-Chapel Hill through the Senior Campaign. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid or campus-wide programs. To make an immediate difference where it is needed the most, consider supporting The Carolina Fund. All gifts to the Senior Campaign are included in the Campaign for Carolina's totals.

Thank you to those who have already made your gift! You can still give online at give.unc.edu/donate or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about Carolina Annual Giving visit campaign.unc.edu/annualgiving.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with events and news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent graduates in your area, participate in local events and social activities and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit campaign.unc.edu/youngalumni.

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

CANDIDATES *for* GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

December 2018

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Gioia Monet Skeltis

Communication Studies
Preston Michael Adcock
Kiara Childs
Katrina Ann Marks

Education
Emma Catherine Harver
Siqi Sun

English and Comparative Literature
Mary Barks

Exercise and Sport Science
Simon George Carcagno

German Studies
Beth Anne Dorn

Global Studies
Michal Brzezicki
Sarah Elizabeth Wentz

Linguistics
William Thomas Jeffrey Carter
Brent Taylor Eisenbarth

Mass Communication
Taylor Marie Hamlet
Makayla Cinnamon Moore
Holly Rose Roberts

Musicology
Benjamin Niall Gates
Grace Kweon
Sierriana Octavia Terry

Political Science
Ashley Pamela Reaves

Psychology
Kylie Garber Bezdek
Marketa Burnett
Michel Anthony Companion
Tiffany Jamie Foster
Sarah Frances Furlong
Noah Harrison Greifer
Van Rynald Talavera Liceralde
Laura Stoner Machlin
Kristin Nicole Meyer
Jacqueline Elizabeth Paniccia
Kathryn Weatherford
Sandra Anne Zerkle

Public Policy
Katy Ascanio

Sociology
Alyssa Rogers Browne
Sarah McGill Davis

Technology and Communication
Jeffrey Allan Camarati
James Timothy Clark
Lindsey Olive Luxon
Katherine Rankin Maddux
Stephany Lynn Pritchard
Christopher Davis Rogers

MASTER OF CITY AND REGIONAL PLANNING
Lauren Kelly Joca
Sarah Elizabeth Ashley Long

MASTER OF SCIENCE

Biostatistics
Mark Janko

Computer Science
David S. Dunn
Jacob Daniel Fisher
Vasavi Gajarla
Junpyo Hong
Christopher Ronald Horning
Max Laeth Hudnell
Raymond Byung-Ho Kim
Seulki Lee
Jae Sung Park
Nils Erik Persson
Abu-Bakar Saleem Raja

Ecology
Olivia Torano

Economics
Jiadong Gu
Lakshita Jain
Bhavna Joshi
Yunjuan Liu
Zachary Mozenter
Panit Wattanakoon

Environmental Sciences and Engineering
Kathryn Bradford
Sarah Elizabeth Ashley Long
Caitlin Anne Rose

Genetics and Molecular Biology
Allyson Marie Roberts

Management
Salvatore Jude Affinito
Tracy Lynn Barbera
Neha Jha
Angelica Elizabeth Leigh
Patricia Cantwell Staats
Shirish Jagan Sundaresan
Ayana Younge

Mathematics
Carol Wagih Sadek

Microbiology and Immunology
De'Ashia Elizabeth Lee
Nathaniel Schramm

Occupational Therapy
Karen Malia Edwards

Operative Dentistry
Awab Abdulhaq Abdulmajeed

Oral and Maxillofacial Radiology
Tenzin Dadul

Speech and Hearing Sciences
Ian Sang-June Kim
Chad Edward Shannon

Statistics and Operations Research
Tao Bian
Wen Dou
Scott Michael Smith
Shuming Sun

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

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Meghan Lynn Bailey
Kaelani Baker
Emily Neville Bedsole
James Stephen Beeker II
Emily Mae Black
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Masyn Taylor Burgess
Sonya McFaddin Bush
Jennifer Butchan
Brandy Elizabeth Buxton
Benjamin Buzzard
Yuri Patricio Cabeza
Thomas Benjamin Camp
Charles Bryan Carroll
Sara Jo Caya

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Zicong Chen
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John Frederick Deans Jr.
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Bradford McCain Dunnagan
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Erica Jane Horrigan
Winston Howard
Ben Huang
Li Huang
Matthew Kyle Hubbard
Meganne Louise Hurt
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Christopher Dana Klein Jr.
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Jihe Koo
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Jay Kurani
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Sunjae Kwon
Allison Michelle Ledbetter
Esther Sylvia Lee
Hannah Lee
Yongwhi Joseph Lee
Hannah Noelle Lelito
Barry Tyrone Leonard
Qian Liu
Xinyue Liu
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Zhengzheng Ma
Matthew James Mahler
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Evan L. Martinez
Chase Avery McConnachie
Jerod T. McKinney
Justin McKnight Dawson
Patrick Joseph McLaughlin
Tyree Odell Minner
Victoria Mitchner
David Mkpong
Harry Govind Mohan
Brian Andrew Monahan
Luis Rene Moran
Roseanna Lee Bissonnett Morgan
Tyler McCamey Morgan
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Benjamin Alan Myers
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Bao Ngoc Kieu Nguyen
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Kide Azubuko Nnadike
Connor Matthew Olli
Shannon Marie O'Rourke
Dennise Osei-Bonsu
Joseph Michael Pantuso
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Ryan Taylor Peevey
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Stephanie Grace Reitz
Liang Ren
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Wilson Zachary Roseman
Jody Marie Rowland
Sage Russoli
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Alan Dodson Sharpe
Amanda Courtney Shaughnessy
Meredith Cobb Sherrod
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Leo Troutman
Patrick Valentine
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Vasukumar Vijayakumar
Yu Wang
Yuan Wang
Matthew David Warren
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Kevin Thomas Watson
Stephanie Brianne Watts
Qing Wei
Xin Wen
Angell Wescott
Elizabeth Sharon Whelan
Steven Michael White
Nicole S. Wolfgang
Alexander Evan Yoffe
Laiyi Zheng

MASTER OF BUSINESS ADMINISTRATION

Athena Abate
Hussam Laith Al-Khudhairy
Mahila Amjad
Sushma Anaparthi
Marcio Andrade
Jasmine Andrews
Harendra Arora
Craston Artis II
Charles Asmus
Dallas Kenenth Austin
Jessica Ballou
Michael Barber
Debashis Bardhan
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Justin Batchen
Francis Charles Baumann
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Christopher Charles Belknap
Mary Caroline Bell-Luehrs
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Ted Robert Berna
Stephen Donald Berry
Zoumana Nala Berte
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Cassandra Lambeth Braxton
Sarah Brock
Tim Buckman
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Daniel Campbell
Julianne Capron
Gregory Donelson Carlin
Jay Elden Carmichael
Sudheer Chaganti
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Joel Edward Chitwood II
Joseph Daniel Colangelo
Matthew Ian Conard
Juliano Cunico Schwab
Reena Dalal
Zachary Louis Damweber
Paul Joseph Davis
Michael Deering
Patrick Jeffery Dennis
Fritz Papa Yaw Denteh
Riley James Depiano
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Robert Dunmire
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John Kim
Ted Kim
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Jennifer Rebecca Knott
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Anand Krishnan
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Resham Dattatraya Kulkarni
Eric Kwan
Giang Lam
Daniel Christopher Lane
Martin Thomas Lanning
Stephen Lapierre
Megan Leavy
Jordan Michael Lee
Timothy Eric Lee
Robert Paul Letson
Joshua Seth Lev
Alexander Levine
Andrew Mitchell Levine
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Jessica Lui
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John Edwin McConahy
Ian David McCormack
Anthony Joseph McDermott
Daniel Francis McGrade
Hannah Elizabeth Meador
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Daniel Edward Meleason
Taylor Steven Messner Schaack
Crystal Kae Meyer
Tara Thomas Mohan
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Lauren Jane Morgan
Theresa D. Murphy
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Galo Alberto Naranjo
Grant Newman
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Ngunjiri Ngari
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Phillip A. Poirier

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Arun Rajasekaran
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Joshua Saltsgaver
Ivan Orlando Sanchez
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Siddharth Sathe
Bradley Schamel
Colin Scott
Walter Michael Seiler
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Bethany Michelle Slifko
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Thom Smith
Eva Cornell Stark
Brian Howard Steinhausser
Brian Stephens
Paul Newton Stephenson
Owen Stevens
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Joseph Sturino
Brian Summers
Michael Andrew Swim
Trenton Kyle Tallent
Justin Tamaye
Garrard Hubert Taylor
Steve Sanson Taylor
Connor John Tobin
Todor Ivov Totev
Amanda G. Tyus
Saloni Uboweja
Esteban Andres Ugalde Brenes
Todd Umehira
Clifford John Van Rickley
Robert Sherwood Veit
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Harold Emery Vincent Jr.
Karan Virani
Jing Wang
Matthew John Wanzeck
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Bryan Michael Westhead
Justin Tilghman Wetzel
Brandon Jakiel White
Matthew Aren White
Matthew Neill White
Denise Ann Whitfield
Jared Williams
Nana Otoo Wilson
Ryan Wiseman
Kevin Wong
Benjamin Chadwick Wood
Lee Wood
Isaac Yancey
Won Sub Yun
Shariyar Lincoln Zarea
Joumana Zeid
Kathleen Hyder Zepernick
Sophia Jiulin Zhou
Mark Zimmer

The School of Government

ESTABLISHED 2001
Dean Michael R. Smith

MASTER OF PUBLIC ADMINISTRATION

Jeremy Wayne Anderson
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Isai Angel Chavez
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Barbara Ann Cummings-Jackson
Grant S. Dunham
Andrew Frederick Hammett
Kelly Elizabeth Harvell
M. Scott Holcomb
Jason Lee Hyatt
Nallely Manriques
Mariah B. Matheson
Michelle Ahn Mills
William Harrison Moseley
Marcus Bennett Reamer
Jennifer Lacey Rogers
Kristen Nicole Ross
Timothy William Sorum
Scott David Suter
Catherine Amanda Townes
Elizabeth Louise Valsing
Matthew Aaron Visser
Kizito Wenani
Yolanda Y. Williams

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF PROFESSIONAL SCIENCE

Biomedical and Health Informatics

Tamara Gregory Blakeney
George C. Coleman Jr.
Michael Dolan Fliss
Aravind Reddy Kothagadi
Payal Mehndiratta
Katherine Alice Peticolas
Shruti Raj
Zhaopeng Xing

MASTER OF SCIENCE IN INFORMATION SCIENCE

Natalie Grace Castellano
Sangeeta Desai
Yuhe Ding
Anna Catherine Groves
Kelsey Moen
Nidhi Shah
Marler Slate Tuttle III
Natasha Vazquez
Xiaomeng Wang

MASTER OF SCIENCE IN LIBRARY SCIENCE

Jennifer Michelle Barton
Meredith Helen Henson Campbell
Molly Kathryn Cieri
Brenna Kristin Dickerson
Melissa Ashley Ferens
Rae Anderson Hoyle
Katherine Orth
Dezarae Nichole Osborne
Brian Keith Pugsley
Emma Rose Scales
Vanessa Clarke Shortley
Brittany Soder
Merisa Elle Tomczak
Ayla Elizabeth Toussaint
Haley Nicole Young

The School of Law

ESTABLISHED 1843
Dean Martin H. Brinkley

MASTER OF LAWS

Ricardo Javier Rojas-Gaona

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY

Lindsay Taylor Saunders
Andrea Stewart

MASTER OF HEALTH SCIENCES

William Moreland Churchwell
Jeanette Elaine Elfering
James Henry Feldman
Nicholas Gurganious
Jeremy Ryan Addison Jones
Alexandra Parascandola Koch
Charles Stuart Locke
Cherry Nhor
Vishalee Ranjit Patel
Kendra Rae Potter
Alexandra Pressley
Joseph William Rozmus
Blake Sporer
Gary Taylor
Tricia Tiu
Monique Irene Torres
Steven Ray Wells Jr.
Nicholas Alan Wiley

MASTER OF PROFESSIONAL SCIENCE

Toxicology

Tyler Wayne Cromer

MASTER OF RADIOLOGIC SCIENCE

Laura Asbeil
Michael Sylvester Sandelier
Benjamin Sol Sutton

The School of Nursing

ESTABLISHED 1950

Dean Nena Peragallo Montano

MASTER OF SCIENCE IN NURSING

Tara Hamlett Bass
Cristie L. Dangerfield
Katrice A. Hester
Susan V. O'Leary
Elise Tierney Payne
Tasha J. Rose
Agnes Bearneza Royal
Mary Stasio Surya

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION

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Michael John Chilmaid
Lael Noelle Coleman
Thomas Bentley Crabtree Jr.
Vishal Dhandha
Josue Espinoza
John Hampton Falk
Robert W. Fields
David Grapey
Erin I. Grigg
Matthew Ryan Hawkins
Benion Samuel Horton
Lisa Sandra Kelly
Austin Kellett Letson
Kara Noll Lingley-Brown
Paul Joseph Marini
Steven Robert Olson
Samuel Donovan Land Picard
George Robert Reinhardt III
Matthew Raymond Rougeux
Douglas Gerard Scarboro
Matthew B. Sykes
Sh'Nese Rochelle Townsend
Johana Maria Troccoli
Lorraine Trow
Melissa Dixon Williams

MASTER OF PUBLIC HEALTH

Maternal and Child Health

Megan Margaret Carlucci
Nicole Cornelia Fortune
Austyn J. Holleman
Jessica Helen Huey
Susanna Khachaturyan
Mallory Michalak
Jazmin Monroe
Jessie Marie Phillips
Benjamin Ruiz Rosado
Salma Afroz Sarah

Nutrition

Rachel Edith Aiken
Angela Rose Bartz
Courtney Brooks
Mckenzie Gabrielle Caldwell
Jacqueline Summer Chang
Casey Elizabeth Evans
Nooshin Ghazi-Moghaddam
Grace Fredrickson Greenfield
Alexis Rachel Guy
Adante Hart
Julie Strange Kennedy
Lindsay Anne Koonce
Ana Krista Linares
Katherine Moser
Marina Stranieri Pearsall
Michelle Pillepich
Daniela Carolina Pimentel
Carrie Cady Reid
Ella Heathman Stephan
Reatna A. Taylor
Catherine Nicole Treece
Malindi Vink
Natasha Aurelie Vos
Jessica Wallis

Public Health Leadership

Yasmin Mohamed Ali
Katherine James Andersen
Erica Virginia Brierley
Craig N. Burkhart
Meredith Diane Carroll
Matthew Cassidy
Gwennaye C. Coath
Emily Hanna
Janice Hartgens
Jung Hyun Ko
Ashley Labat
Hyun Jung Lee
Natalie Olegovna Levchenko
Angeli Michelle Mancuso
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Vanessa Ashley McFall
Jonathan Alexander Miles
Heather Lea Mountz
Tosin Ogunsiakan
Erin Frey Pearson
Robin B. Richardson
Shuai Shi
Jessica Leigh Simons
Jill M. Simons

Public Health Policy and Management

Lynell Denise Hodges
Brandy Miranda Keys
Christopher Michael Naso
Emily R. Torgerson

MASTER OF SCIENCE IN CLINICAL RESEARCH

Eliza M. Park

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Yashvi Jigneshbhai Patel

MASTER OF SCIENCE IN PUBLIC HEALTH

Environmental Sciences and Engineering

Brandie Allesa Banner
Lauren Kelly Joca

Epidemiology

Antoine R. Baldassari
Linnea Teresa Olsson
Melissa Ann Stockton
Yuzhi Xi

Health Behavior

Christine Schalkoff

Maternal and Child Health

Benjamin Aaron Banasiewicz
Linda Ann Chamiec-Case

The School of Social Work

ESTABLISHED 1920

Dean Gary L. Bowen

MASTER OF SOCIAL WORK

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Linda Ann Chamiec-Case
Nicole Cornelia Fortune
Austyn J. Holleman
Jessica Helen Huey
Susanna Khachaturyan
Mallory Michalak
Jazmin Monroe
Jessie Marie Phillips
Benjamin Ruiz Rosado
Douglas Ian Stoll

CANDIDATES *for* BACCALAUREATE DEGREES

December 2018

The College of Arts and Sciences

ESTABLISHED 1795
Dean Kevin M. Guskiewicz

BACHELOR OF ARTS

American Studies
Carolyn Grimes Belcher
Shayna Marie Jacobs

Anthropology
Jonathon Robert Cushman
Allison Delgado
Caroline Nicole Jones
Stefanie LaChanda Pertiller
Daniel Mark Peterson
Alexander Polydoroff*+

Art History
Dara Baldwin
Marcia A. Julien

Asian Studies
Susan Chen*
Spence Karl Jorgensen*
Alyson Marie Pritscher

Biology
Mathew Alexander Abraham
Elizabeth Clare Broadwell
Zachary Burk*
Nissa Mohamed Chughtai
Kristi Elaine Dixon
May Jasmine Flowers
Ashley Nicole Fromm
Sarah Gill
Sarah Lucia Gora
Christopher Granados
David Chavis Hammonds
Hunter Bryan Howard
Jean-Pierre B. Kanumuambidi
Cassidy Joy Manzonelli
William Ryan Meeker
Lizbeth Melgar-Alberto
Elizabeth Catherine Monaghan
Bryan David Nickerson
Samprati Prasad
Aaron Malek Reza
Lisa Samal
Kirsten Steininger*
Asiatu Toronka
Tiffany Woo Tran*
Johnny Vang
Sydney Elizabeth Wheatley*
Hannah Christine Wiggins

Chemistry
Adelaide Rosalie Cooke*
Robin Elizabeth Jessamy
Chaewon Kim
Min Ji Kim
Madelaine Paige Lance
Adam Steel Mya
Lauren Nicole Overton
Madison Michelle Parker*
Nina Shenker-Tauris

Classics
Nikolas Jackson
Anna Grace Raybon

Communication Studies
Margaret Cecelia Bill
Sally Mazen Bitar
Javarus Kentrel Britt
Sarah Calire*
Malik L. Carney
Sal Gary Castoro
Philip Samuel Dorsey Jr.
Craig Emslie
Josiah Malachi Evans
Maegan Gwendolyn Halbedl
Brittany Hanks
Tierra Ashlin Harris
Stephen Hart
Alexa Christian Howard
Nicholas Karageorgos
Luke Terrell Lechner
Kendall Dewan Marshall
Kacey N. McKinnon
Juval Everton Mollette
Camilla Morton
Christopher Logan Parke
Daniel Mark Peterson
Corbin Ann Phifer
Matthew Collin Porter
Mashallah Salaam*
Jessie Scarpa
Ellaina Ciara Smith
Mary Frances Starnes
Samantha Joy Straughan
William DeVaughn Sweet III
Eleanor Savoy Teller*

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John Scott Austin Jr.
Kyung Mun Baek
Zachary Burk*
Sarah Chipman
Jaime Leigh Johnson
Mailiis Law
Christopher Andrew Lee
Jennifer Jing-Lin Li*
Yunfei Ma*
Aaron Marsh McCoy
Brandon Morris
Krishan B. Patel
Connor D. Rowe
Christian Napoleon Saca

Drama
Ashley Parker Griffin

Economics
Tyler Balderson
Kevin Baque
Sarah Blau
Daniel C. Bodenhamer
Alexander Clarence Brooks
Todd Wyatt Brown Jr.*
Hayley Morgan Buckless
Matthew Thomas Byrne
Blayne Stephen Callas*
Renzo Capurro
Rohil Chekuri
Anthony Marc Cheslock
Bethany Kristin Cole*
Dusty Allen Cox
Aaron Lee Crawford
Brooke Rebecca Dandurand
Logan Phillips Dennis
Dustin Dinh
Geoffrey Dodd
Margaret Hope Donlin*
Ben Elijah Edwards V
Greys Magaly Florez Torres
William François Robert Fromm
Kristin Ann Galeri*
Natalie Rose Gallo*
Lucas Adam Gideon
Cassidy Laine Hampton*
Henry Jacob Hannapel
Jackson Hill*
Madison Alexandra Hurst*
Quinn Patrick Hann Johnson
John J. Jon
William David Lewis
Breighton Sidonie Magee
Demetrios Jon Meliones*
Nora Atanasov Molev*
Stenn Hollis Monson*
Mark Thomas Morrison
Abhay Qureshi
Michael Robert Ruch
Allison Carden Sedberry
Edward Carter Sheridan
Ambaris Singh
Jennifer Su
Ran Tian*
Nathan Walters*
Mingxuan Wang
Nathanael D. Welliver
Silei Xiang*
Yizhong Zhang*

English
Luke Aaron Bishop
Tara Lynn Boldrin*
Grace Carney
Korey P. Dunbar
Katherine La Bree
Yasmine Yvette Mason
Beni Mathieu
William Ryan Meeker
Emily Parker
Andrew John Smith
Halee Smith*
Kennedy Strakose-Hagen*
Paxton Denayl Wooten

English and Comparative Literature
Maurianna Dinkins
Emma Gillett*

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Environmental Studies
Ben Elijah Edwards V
Cassidy Laine Hampton*
Julia Elizabeth Maron

Exercise and Sport Science
Julia Ashley
Dorian Josey Bailey
Daniel C. Bodenhamer
Henry Clay Campbell
Lucas Wisham Crowley
Danielle Nicole Curtis
Nathan Ely Elliott
Stephanie Lauren Ferraro*
Brandon Charles Fritts
Cheyenne Marie Gasper*
Juna Glaude
Dylan Goodman
Justus Luke Heizer
Alexa Christian Howard
Casey Jacobs
Rebecca Lynn Kern
Alexandra Kimball
Gilson Peter Kingman
Madison Noel Laufenberg
Samantha Leshnak
Andrew Lopez
Gabrielle Maeanne Major
Ryne William Maynor
Jason C. Morgan
Madison Elizabeth Nettles
Matthew David Patterson
Shenique Rasheed
Lily Caroline Rashid*
Celeste Lisbeth Rosario
Andrew Alexander Rosemond
Jalen Spruill
John Woodson Stott
Shane Scott Sullivan*
Maria Ruth Thorsen*
Kayla Marie Travis
Jennie Rebecca Washington

Geography
Andrew Donald Bryson

Geological Sciences
David Gerald Ingram
Theresa Marie Jones*

Germanic and Slavic Languages and Literatures
Laeral Isabo Knutson*
William Richard Swart

Global Studies
Caroline Grace Bradley
Susan Chen*
Mam Harr Gaye
Caitlin Noelle Geiger*
Sophie Teresa Golden*
Devin Rachel Johnson
Rebeka Johnson
Beni Mathieu
Jonah Mendys
Megane Ophelie Messier*
Lydia Tuyet Nguyen
Abhay Qureshi
Sydney Elizabeth Wheatley*

History
Gloris Anderson
Jovan Jimmy Baslious
Logan Phillips Dennis
Henry Trumbull Devries
Chadwick Dunefsky
Robert Gibson
Emma Gillett*
Daniel Alexander Goodman
Henry Jacob Hannapel
Madeline Grace Hollingsworth
Danielle Caitlyn Huester
Caroline Nicole Jones
Freeman Philip Jones
Cory Matthew Lambert
Lucy Li
William Oliver McLaughlin
Benjamin Mustard
Joshua Rodriguez*
Gladys Sanchez
Benjamin John Sundman
Robert Williams*

Interdisciplinary Studies
Emily Taylor O'Connor

Latin American Studies
Gabriela Aleman
Kelsey Lee Curran
Maggie Miller Helms*

Linguistics
Emmie Mackenzie Costen*
Elizabeth Grace Gorman*
Austin David Lee*
Jacqueline Elise Link*

Management and Society
Jesus Bolivar
Todd Wyatt Brown Jr.*
Cris Janette Contreras
Aaron Lee Crawford
Tyler Brett Daniels
Carolina De Leon
Brandon Charles Fritts
Jessica Claire Garver
John Conger Glover Jr.
Benjamin Ludwig Harrison
Cole Jarrett Holcomb
Thomas Syfan Jackson
Kyle Patrick Murphy
Jonathan Roberto Nunez
Abigail Elizabeth Schull*
Angelica Szarka*
Matthew Gordon Taylor
Sarah Louree Watson
Robert Schuyler Welch
Benjamin Robert Williamson III

Mathematics
Travis Carlton Ahalt
Hayley Morgan Buckless
Rachel Gloer
Yixin Hu
Theresa Marie Jones*
Alyson Marie Pritscher
Caroline Schlosser

Music
Daniel Ryan Fleszar*
Elizabeth Carolyn Hudson
Alexander Polydoroff*
Caique Vidal de Oliveira

Peace, War and Defense
Travis Dewayne Barnes
Jovan Jimmy Baslious
Erik Noel Batlle*
Henry Trumbull Devries
Samantha Avery Huffman
David Gerald Ingram
Myles Grady Lukert
Diane Martin*
Joshua Rodriguez*

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

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Jason Brendan Scanlan
Madison Tyler Walling
Robert Williams*

Philosophy
Sophie Gentle Capshaw-Mack*
Tim Gawert*
Destiny Dominique Green
Zhangsinong Liu*
Thomas Jay Ryder
Andrew John Smith
Maryhelen Elizabeth Zakrajsek

Physics
Stephen Christopher Thompson

Political Science
Gloris Anderson
Shaylyn Eleanor Aschenbrenner*
Alaina Bainbridge*
Sarah Blau
Tara Lynn Boldrin*
Blayne Stephen Callas*
Andrew Wei Hsiang Chang
Danielle Carina Chemtob*
David Graves Clayton
Katheryn Rose Craig*
Elizabeth Kendrick Essen
Hattie Melissa Ferguson
William François Robert Fromm
Cody Hadley Garris
Jessica Claire Garver
Lucas Adam Gideon
Nikolas Jackson
Rebeka Johnson
Nancy Lynn Kitterman*
Cory Matthew Lambert
Nicholas Thompson Long Jr.
Diane Martin*
Megane Ophelie Messier*
Faith Moavenzadeh*
Christopher Logan Parke
David Michael Raymer
Stephanie Carolyn Romero-Jaramillo
Amanda Briel Rudd
Gladys Sanchez
Allison Carden Sedberry
Carson Neil Southard
William Richard Swart
Elissa Rachel Tew
Suraj Vege*
Patrick David Whitney*

Psychology
Wesley David Adams
Amy Alam
Bei An
Margaret Cecelia Bill
Mckenna Ciara Brennan*
Young Ji Byun
Elizabeth Mary Caulfield
William Dziesinski
Susana Golsteyn
Dionna Sinclair Graves
Aria Nicole Henry
Omari Marcellus Hicks
Olivia Nicole Lyne*
Christopher Grey Lyon
Rebecca Elizabeth Nenow
Tara Nitardy
Sonia Payerpaj
Wade Potter
James Raymond Pyle
Annalise G. Romahn
Eloise Schaerlaken*
Jack Reid Shelburne III
Kelsey Lynn Smith
Michaela G. Smith
Jalen Spruill
Claire Royals Wilson

Public Policy
Donicia Lasha Alcantara
Gabriela Aleman
Travis Dewayne Barnes
David Graves Clayton
Bethany Kristin Cole*
Katheryn Rose Craig*
Kristin Ann Galeri*
Erica Justice Hoff*
Madison Alexandra Hurst*
Shayna Marie Jacobs
Yaa Serwaa Sarpon
Henry Smith Schoenhoff
Carson Neil Southard
Madison Tyler Walling
Nathanael D. Welliver

Religious Studies
Devin Rachel Johnson
Zachary James Lowell*
Emily Parker

Romance Languages
Emmie Mackenzie Costen*
Austin Blake Cotten
Healey J. Cox-McMahon
Natalie Rose Gallo*
Maggie Miller Helms*
Emilie Houck
Jacqueline Elise Link*
Zachary James Lowell*
Kennedy Strakose-Hagen*

Sociology
Carolyn Grimes Belcher
Tesarah Boyd
Jalen Ayinde Dalton
Ryann Gabrielle Goldberg
Ashley Joy Hoffman
Samantha Avery Huffman
Lovo Sonie Kollie
Adeline Lust
Courtney Edwina McLaughlin
Mckenzie Jane Millican
Faith Moavenzadeh*
Devin Posey*
Iris Rodriguez Nazario*
Jason Brendan Scanlan
Ronald Brendan Alexander Sykes
Ana Maria Wheatcraft
Natrina Jacquenell Womack

Studio Art
Young Ji Byun
Amanda Elizabeth-Lee Gosline*
Lesly Estefany Portillo Ramirez

Women's and Gender Studies
Donicia Lasha Alcantara
Cosima Hernandez
Halee Smith*
Charles Allan Umstead
Caitlin Leigh Williams

BACHELOR OF FINE ARTS
Elizabeth Rose Ferguson*
Samprati Prasad

BACHELOR OF MUSIC
Dawn Marie Locklear

BACHELOR OF SCIENCE

Biology
Aidin Alejo*+
Emily Jean Burke
Sabrina Mary Carr*
Alicia He Chen*
Jen-Hsuan Chu*
Adelaide Rosalie Cooke*+
Alyssa Monique D'Oyen
Supritha Rao Dugyala
Aanini Dwivedi*
Hope McCleese Gehle*
Peyton Robert Harris
Luke J. Hayek*
David Lauzier*
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Megan Anne Mayers
Michelle Harriette McVay
Logan Irene Miller
Christine Grace Nidea Narag
Madison Michelle Parker*+
Carlos A. Perez-Heydrich*++
Annaleigh Mae Powell*+
Elizabeth Price
Andres Eduardo Santana
Farhin Shaikh
Harvey Hatcher Shiflet V
Shannon Marie Sweeney*
Nicholas McDaniel Teague*
Mackenzie Ann Todd
Maya Danielle Vexler*
Femi Cleola Salido Villamor
Lindsay Nicole Voy
Annika Isabella Wurm

Biomedical and Health Sciences Engineering
Carolyn Liu*

Chemistry
Lilian Randolph Heil*
Yixin Hu
Alana Lauren Keller
Xiaotong Li*
Caroline Marie Margonis*
Margaret Rossow
Alexander Dante Yankalunas

Computer Science
Anushri Adhia
Kyle Anthony Bauer*
Ryan Bowser
Connor E. Brooks
Andrew Stuart Carter
Hunter Yang Chen
Zijian Deng*
John H. Espenhahn*
Joseph Glasser*
Rachel Gloer
Hunter Knowlton Harman
Divia Kallattil
Harrison Krome
Joon Lee*
Parker Brayden Loflin
Geraldine Sharleen Marin Zamora*
Rahul Nathan
Felipe Osiel Pineda
Caleb Yager Pipkin

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Christopher John Polychronides
David Mark Stanfel
Dylan Tastet*
Jackson Adam Witzke*

Environmental Sciences
Jenna Bien
Samantha Helen Haughton*
Elijah Shayne Jacobs
Spence Karl Jorgensen*
Elizabeth Catherine Monaghan
Mitchell Jacob Ryan*
Gunar Logan Swartzlander
Abigail Elizabeth Vinson
Vanessa Rose Wignall
Ruozhang Xu

Geological Sciences
Clark Jenkins Wilson

Mathematical Decision Sciences
Bei An
Weifeng He
Qinyi Liu
Courtney Rene Robinson

Mathematics
John Biondi Jr.
Zijian Deng*
Greys Magaly Florez Torres
Joseph Glasser*
Qinyi Liu
Jeremiah Matthew Walker

Physics
Mitchell Grant Dudley

Psychology
Casey Samantha Arrowood
Lorin Michelle Barrier
Keimaya Ayan Hunter
Enomen Valerie Idiagbonya
Jung Woo Lee
Francisco Nguyen
Bryan David Nickerson
Daniel Ray Salgado
Lisa Samal
Shannon Marie Sweeney*++
Nicholas McDaniel Teague*
Jade Ashlynn Van Horn
Ea Jung Yoo*

Statistics and Analytics
Jaeyoung Bae
Nathan Alexander Bernstein
Ravindu Kodippili*
Dung Thi Phuong Le
Joon Lee*
Donald George Lindner II*
Avery Mavroudis
Jacob McCright
Hayley Schnakenberg*
Mingxuan Wang

The Kenan-Flagler Business School
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BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
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Akhilesh Bhandari*
Nils Bruening*
Andrew Wei Hsiang Chang
Alexander R. Comsia*
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Zhaochen Li*
Demetrios Jon Meliones*
Jose Luis Montaño Sanchez*
Jared Noble*
Rebecca Amber Ortiz*
Kevin Michael Pickens*
William Michael Sapyta*
Elizabeth Hannah Stompel*
Michelle Marie Sullivan*
Clara Lik-Hung Wong*
Qianyi Xu

The School of Dentistry
ESTABLISHED 1949
Dean Scott De Rossi

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Aleia Brynne Hart
Suan Kuo Knapp

The School of Education
ESTABLISHED 1855
Dean Fouad Adb-El-Khalid

BACHELOR OF ARTS IN EDUCATION

Human Development and Family Studies
Lauren Kudlick*
Ashley Makayla Norton
Alaya J. Reynolds

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
Damola Ayomide Ajao
Healey J. Cox-McMahon
Latravia C. Gordon
Patrick T. Hiers*
Whitney-Jocelyn Badou Aude Ursule Kouaho
Zhangsinong Liu*
Kristen Marie Martin
Samantha Joy Straughan
Anusha Suresh
Dylan Tastet*
Nicholas Thomas Watson*
Jackson Adam Witzke*
Tammy Jiamin Zhao

The School of Media and Journalism
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Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM
Harrison Taylor Miller

BACHELOR OF ARTS IN MEDIA AND JOURNALISM
Grayson Riles Bethel
Tess Isabella Bettinsoli*
Brian Cannon
Alexandra Julienne Celetti
Danielle Carina Chemtob*
Kelsey Lee Curran
Victoria Lee Drake
Elizabeth Kendrick Essen
Abigail Grace Igoe
Blanche Hunter Jones*
Laeral Isabo Knutson*
Robert Edward Kutrow
Taylor Grace Mabrey
Kelly McCallister Patch*
Heather Nicole Prizmich
Amanda Lyn Sampson
Elizabeth Gray Singletary*
Timothy Allen Smith II
Eleanor Savoy Teller*
Elissa Rachel Tew
Andrew Jacob Wishon*
Yizhong Zhang*

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN RADIOLOGY
Melanie Vina Prakuson

The School of Nursing
ESTABLISHED 1950
Dean Nena Peragallo Montano

BACHELOR OF SCIENCE IN NURSING
Zoe Kaori Enga
Linda Stephanie Herrera
Morgan Vann Stephenson

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Health Policy and Management
Prit Jignasu Patel

Candidates Commissioned in the Armed Forces
DECEMBER 2018

UNITED STATES AIR FORCE SECOND LIEUTENANT
Felipe O. Pineda

UNITED STATES ARMY SECOND LIEUTENANT
Madelaine P. Lance
Patrick D. Whitney

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

CANDIDATES *for* CERTIFICATES

December 2018

Postbaccalaureate Certificates

The School of Media and Journalism

ESTABLISHED 1924
Dean Susan Robinson King

POSTBACCALAUREATE CERTIFICATE IN TECHNOLOGY AND COMMUNICATION

Michael Gerome Atkinson
Roseann Sugrue Cook
Jennifer Garifo Heiss
Jonathan Tucker Horne
Robert Miller Hundley III
Elizabeth Corbin Martin
Jennifer J. Miller
Jane Hari O'Hara
Deanna LaShawna Williams
Karen Diane Williams

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

POSTBACCALAUREATE CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS

Lily Sintim
Shelley Stewart

POSTBACCALAUREATE CERTIFICATE IN FIELD EPIDEMIOLOGY

Mary Awwad
Lisa Janisko Becton

POSTBACCALAUREATE CERTIFICATE IN PUBLIC HEALTH NURSING SPECIALTY

Bradley Taylor Petrusa

GRADUATE DEGREES

August 2018 | *Graduates' names are followed by their area of study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Leslie Adams, *Health Behavior,* A Mixed Methods Examination of Depressive Symptomatology and Usual Sources of Care Among Black Men. Professor Alexandra Lightfoot.

Naa Dede Awula Addy, *Education,* A Multiple Case Study of Early Language and Literacy Practices in Black Middle-Class Families in the Southeastern United States: Implications of Race and Class. Professor Jocelyn Glazier.

Joshua Kyle Akers, *History,* Straddling the Threshold of Two Worlds: The Culture of American Soldiers in the Vietnam War, 1965–1973. Professor William Brundage.

Basma Al Yazeedi, *Nursing,* Childhood Obesity and Family Influence on Children's Nutrition Intake, Physical Activity Patterns and BMI Z-Scores in Oman. Professor Diane Berry.

Apostolos Alexander Alexandridis, *Epidemiology,* Longitudinal Cohort Studies of Addiction Treatment Initiation and Opioid Overdose Prevention Efforts in North Carolina. Professor Stephen Marshall.

Amir Alishahitabriz, *Health Policy and Management,* Adoption Implementation and Effectiveness of Full Capacity Protocols in U.S. Emergency Departments. Professor Bruce Fried.

Denise Allard Trout, *Microbiology and Immunology,* Schwann Cells Promote Spontaneous Autoimmune Peripheral Polyneuropathy. Professor Maureen Su.

Seri Anne Link Anderson, *Health Policy and Management,* The Cost-Effectiveness of Improved Communication of Pregnancy Risk and Contraceptive Information. Professor Kristen Hassmiller Lich.

Margaret T. Anton, *Psychology,* Parent-Therapist Alliance, Technology Use, and Treatment Outcomes in Behavioral Parent Training: A Preliminary Investigation. Professor Deborah Jones.

Holly Hope Arrowood, *Mathematics,* Oil Droplets Rising through Density-Stratified Fluid at Low Reynolds Number. Professors Roberto Camassa and Richard McLaughlin.

Sevgi Aslan, *Education (School Psychology),* An Examination of Administrators', Teachers' and School Psychologists' Concerns About and Perceptions of the Implementation of Multi-Tiered System of Supports Across North Carolina. Professor Steven Knotek.

Kiran Rose Auerbach, *Political Science,* Partisan Accountability and the Perversion of Local Democracy: Evidence from Bosnia and Herzegovina. Professor Graeme Robertson.

Kate Erin Augustine, *Biology,* Larval Nutrition, Temperature, and Geographic Divergence of Pieris Butterflies. Professor Joel Kingsolver.

Jennifer M. Belus, *Psychology,* Evaluating the Couples Health CoOp in South African Couples: Understanding Sexual Concurrency, Long-Term Skill Retention, and Relationship Dynamics. Professor Donald Baucom.

Francesca Bernardi, *Mathematics,* Space/Time Evolution in the Passive Tracer Problem. Professors Roberto Camassa and Richard McLaughlin.

Joshua Blanchard, *Philosophy,* Angsty Metaethics. Professor Geoffrey Sayre-McCord.

Robert Booth, *Mathematics,* An Investigation of Non-Trapping, Asymptotically Euclidean Wave Equations. Professor Jason Metcalfe.

Chris Bowen, *Computer Science,* Robots That Learn and Plan — Unifying Robot Learning and Motion Planning for Generalized Task Execution. Professor Ron Alterovitz.

Bethany Bowen-Wefuan, *German Studies,* Reframing Religion: Painting and Secularization in German Realism. Professor Eric Downing.

Kathleen N. Brennan, *Information and Library Science,* Loan Me the Money: How Cognitive Abilities and Financial Knowledge Influence Consumers' Information Behaviors. Professor Diane Kelly.

Alexander Breskin, *Epidemiology,* The Effects of Hepatitis C Infection, Treatment, and Population Interventions on All-Cause Mortality Among People Living With HIV. Professor Daniel Westreich.

Logan Young Brown, *Neurobiology,* Contributions of Hippocampal Area CA2 to Hippocampal Oscillatory Networks. Professor Serena Dudek.

Benjamin Edwards Buek, *Psychology,* Automatic and Controlled Components of Attribution Biases in Schizophrenia; Examination of Novel Measures of Intentionality and Immorality Bias. Professor David Penn.

Alex Brythan Burant, *Physics,* Characterizing Hyperpolarized Xenon-129 Depolarization Mechanisms During Continuous-Flow Spin Exchange Optical Pumping and as a Source of Image Contrast. Professor Rosa Branca.

Lucy Ann Burgehardt, *Communication Studies,* Attitudes Toward Antiquities: Rhetorical Enchantments, Preservation Advocacy and the American Southwest. Professor Carole Blair.

Klinton Charles Hill Burgio-Ericson, *Art (Art History),* Living in the Purísima Concepción: Architectural Form, Cultural Negotiation, and Everyday Practice in a 17th-Century New Mexico Mission Among the Zuni Indians. Professor Eduardo Douglas.

Anthony Michael Carestia *Chemistry,* Reagent-Dictated Site Selective Hydrocarbon Functionalization Using Nitrogen-Centered Radicals. Professors Erik Alexanian and Simon Meek.

Sujey Carro-Mojica, *Environmental Sciences and Engineering.* Gaps in Butadiene Biomarkers of Exposure and Effect. Professor James Swenberg.

Emily Bickle Carty, *Political Science,* Making Their Mark: Leader Brands and Their Influence on Political Behavior. Professors Pamela Conover and Graeme Robertson.

Cortney L. Cavanaugh, *Chemistry,* Applications of Organic Photoredox Catalysis in the Development of Alkene Functionalization Methods Toward the Synthesis of α–Benzyloxyamino- and Halo-Lactones. Professor David Nicewicz.

Timothy Challener, *Biomedical Engineering,* Postcentral Topectomy Optimization by Selective Ablations of the Primary Somatosensory Cortex. Professor Jeffrey Macdonald.

Liang Chen, *Microbiology and Immunology,* The Innate Regulatory Protein NLRP12 Maintains Commensal Bacterial Symbiosis, and Mitigates Intestinal Inflammation and Obesity. Professors Jenny Ting and Jonathan Hansen.

Tian Chen, *Business Administration,* Three Essays on Markets for Technology. Professor Atul Nerkar.

Thomas Paul Cheshire, *Chemistry,* Higher-Order Effects in Condensed Phase Spectroscopy and Dynamics. Professors Andrew Moran and Yosuke Kanai.

Menevis Cilizoglu, *Political Science,* Ending Economic Coercion and the Consequences of Sanctions Removal. Professor Navin Bata.

Michael Patrick Conlin, *Genetics and Molecular Biology,* Molecular Mechanisms of Flexibility in Nonhomologous End Joining. Professor Shawn Ahmed.

Robert Corty, *Bioinformatics and Computational Biology,* Variance Heterogeneity in Genetic Mapping. Professor William Valdar.

Christopher James Dahlie, *Communication Studies,* In Concert With...: Concert Audio Engineers and Arena Sound Systems, 1965–2018. Professor Michael Palm.

Andrew Davis, *Communication Studies,* The Problem of Sovereignty: Nations, Corporations and Power Relations. Professor Lawrence Grossberg.

Nathan DeBono, *Epidemiology,* Mortality Among Autoworkers Manufacturing Electronics in Huntsville, Alabama. Professor David Richardson.

Joseph Edward Decosimo, *American Studies,* Catching the "Wild Note": Listening, Learning and Connoisseurship in Old-Time Music. Professor Glenn Hinson.

Bret Devereaux, *History,* The Material and Social Costs of Roman Warfare in the Third and Second Centuries B.C.E. Professor Richard Talbert.

Matthew DiSalvo, *Biomedical Engineering,* Automation of Microraft Arrays for Stem Cell Analysis and Sorting. Professor John Ramsey.

Zachary Dunn, *Chemistry,* Characterization of Biosynthetic Enzymes of Thiomarinol and Oxyvinylglycines. Professor Bo Li.

Christopher Shane Elliott, *Sociology,* Consuming Craft: The Intersection of Production and Consumption in North Carolina Beer Markets. Professor Arne Kalleberg.

Chelsea Leigh Estancona, *Political Science,* The Rebels' Resource Curse. Professor Navin Bapat.

Matthew Hays Everhart, *Chemistry,* Biologically Soft Yet Ultrasonically Active Materials. Professors Wei You and Sergei Sheiko.

Tyler William Farnsworth, *Chemistry,* Strong and Weak Interlayer Interactions of Two-Dimensional Materials and Their Assemblies. Professor Scott Warren.

Terra Victoria Fatukasi, *Epidemiology,* Frailty Prevalence, One-Year Risk and the Effect of Smoking Among Women With and Without HIV Infection. Professor Adaora Adimora.

Elizabeth Lane Fischer, *Art (Art History),* The Depiction of Spatial Experience in Early Medieval Gospel Books, 787–814 C.E. Professor Dorothy Verkerk.

Allison Forbes, *City and Regional Planning,* Linked Through Skill: Labor Market Interdependence in the Automotive Value Chain. Professor Nichola Lowe.

Erica Jean Fornaris, *Education (School Psychology),* Preliminary Outcomes and Feasibility of a Social-Emotional Learning Intervention for Hispanic/Latino Undergraduates. Professor Steve Knotek.

Ashley Michelle Fuller, *Pathology,* Triple-Negative Breast Cancer Microenvironments: Molecular and Histologic Portraits. Professor Melissa Troester.

Sarah Gaby, *Sociology,* Becoming Activists: How Organizations Engage and Politicize Youth. Professors Kenneth (Andy) Andrews and Neal Caren.

Emily Caitlin Gagen, *Psychology,* Identifying Latent Groups of Individuals With First Episode Psychosis Based on Social Relationships: A Reconsideration of Social Functioning. Professor David Penn.

Emily Gallichotte, *Microbiology and Immunology,* The Human Antibody Response to DENV2 Infection and Vaccination. Professors Aravinda de Silva and Ralph Baric.

Mihaela V. Georgieva, *Health Policy and Management,* Appropriate Use and Value of Surveillance Among Medicare Patients With Non-Muscle-Invasive Bladder Cancer. Professor Stephanie Wheeler.

Christopher Giardina, *Biomedical Engineering,* Identifying Surgical Trauma and Predicting Hearing Outcomes Using Electrocochleography During Cochlear Implantation. Professor Douglas Fitzpatrick.

Siliang Gong, *Statistics and Operations Research,* Study on Correlations in High Dimensional Data. Professor Yufeng Liu Kai Zhang.

Kate Good, *Romance Languages and Literatures,* Writing Methods: Models of Literary Creation and Reception in the Work of Caterina Albert i Paradís/Víctor Català. Professor Samuel Amago.

Jonathan Goodwin, *Human Movement Science,* Neuromechanical Contributions to Lower Extremity Stiffness During Running and Hopping in Healthy Runners. Professor J. Troy Blackburn.

Javier Grajeda, *Chemistry,* Pincer Complexes of Precious Metals. Professor Alexander Miller.

Jacob Green, *Chemistry,* New Catalytic Enantioselective Methods Utilizing Chiral Alpha-Boryl Alkylcopper Intermediates. Professor Simon Meek.

Jeremy Griffin, *Chemistry,* Exploring Chemical Transformations Mediated by Single-Electron Oxidation: Hydrodecarboxylation, Alkene-Difunctionalization, and Homobenzylic C-H Oxidation. Professor David Nicewicz.

Zhenkun Guo, *Chemistry,* Application of Diffractive Optical Element on Spectroscopy and Imagin. Professors Andrew Moran and Yosuke Kanai.

Angela Gwaltney, *Social Work,* Use of Psychotropic Medication in Foster Care and Related Outcomes. Professor Dean Duncan.

Jennifer L. Harker, *Journalism (Mass Communication),* Crisis Perceptions, Fan Behaviors and Egocentric Discussion Networks: An Investigation into the Impervious Nature of NFL Crises. Professor Adam Saffer.

Katherine Jean Harmon, *Epidemiology,* Emergency Department Visits in a Pediatric Population: An Examination of Sports and Recreation-Related Injuries and Traumatic Brain Injuries Among School-Age Children in North Carolina. Professor Stephen Marshall.

David John Hill, *Chemistry,* Modulating Optical and Electronic Properties in Silicon Nanowire Superlattices. Professor James Cahoon.

Jesse Stuart Hill, *Geological Sciences,* Post-Orogenic Uplift, Young Faults and Mantle Reorganization in the Appalachians. Professor Kevin Stewart.

Charlotte L. Hoopes, *Business Administration,* Fit Disrupted: Events at Work and Their Effects on Person-Environment Fit. Professor Jeffrey Edwards.

Meilei Jiang, *Statistics and Operations Research,* Statistical Learning of Integrative Analysis. Professors J. Marron and Jan Hannig.

Rayan Joneydi, *Economics,* Choosing a Contraceptive Provider: Access, Awareness and Fertility Decisions in Urban Senegal. Professors David Guilkey and Clement Joubert.

Samantha Kaplan, *Information and Library Science,* The Everyday Life and Information Practices of a Natural Immunity Advocate. Professor Ryan Shaw.

Jordan Kardos, *Genetics and Molecular Biology,* Investigating Immune Modulation of Molecular Subtypes of Bladder Cancer in Response to Chemotherapy. Professors William Kim and Ian Davis.

Ruchir Karmali, *Health Policy and Management,* Running Out of Options: Is Access to Non-Pharmacologic Pain Management Treatments Linked to Opioid Prescriptions? Professor Kristen Hassmiller Lich.

Kaitlin Kelly-Reif, *Epidemiology,* Cancer Incidence and Mortality Among Uranium Miners in the PDíbram Region of the Czech Republic. Professor David Richardson.

Zeliha Kilic, *Mathematics,* Random Transport of Passive Scalars. Professors Richard McLaughlin and Roberto Camassa.

Hyo Jin Kim, *Computer Science,* Learning Adaptive Representations for Image Retrieval and Recognition. Professor Jan-Michael Frahm.

Meredith Alexis Kirk, *Health Policy and Management,* Adaptation of an Evidence-Based Intervention (EBI) to Improve Referrals to Hospice for Home- and Community-Based Populations. Professor Sarah Birken.

Bethany Lam, *English and Comparative Literature,* Abjective Conflict Among Mixed Race Mother-Daughter Dyads in Modern and Contemporary U.S. Women's Prose. Professor María DeGuzmán.

Jackie Rae Lawrence, *Education,* Self-Injurious Behavior and Comorbidities in Children With Autism Spectrum Disorder. Professor Rune Simeonsson.

Joshua Glenn Lawrimore, *Genetics and Molecular Biology,* Biological Consequences of Chromatin Looping in Pericentric Chromatin. Professor Kerry Bloom.

Ryan Leary, *Economics,* Two Papers on Puerto Rico's Debt Crisis. Professor Anusha Chari.

Bo Hyeong Jane Lee, *Sociology,* Young Women's Work-Family Orientations in the Transition to Adulthood. Professor Lisa Pearce.

Cynthia Jean Lin, *Epidemiology,* Drinking Water Quality and Human Health: Impact of Harmful Algae and Water Pipe Breaks. Professor David Richardson.

Mei-Ling Lin, *Occupational Science,* The Transactional Effects Between Family Occupations and Child Emotion Regulation Across Early Childhood. Professor Nancy Bagatell.

Michael S. Little, *Chemistry,* The Structure and Regulation of Gut Microbial Proteins Involved in Human Health and The Structure of Mouse Innate Immunity Protein BPIFA1. Professor Matthew Redinbo.

Xiaohua Liu, *Education,* A Question of Culture: Native English-Speaking Teachers Teaching Young Children in China. Professor Michael Domínguez.

Yufeng Liu, *Statistics and Operations Research,* Advanced Statistical Learning Techniques for High-Dimensional Imaging Data. Professors Yufeng Liu and Hongtu Zhu.

Elizabeth Lundeen, *History,* Brick and Mortar: Historically Black Colleges and the Struggle for Equality, 1930–1960. Professor James Leloudis.

Gabriele Magni, *Political Science,* Inequality, Immigrants, and Selective Solidarity. Professor Liesbet Hooghe.

Alejandra Marquez, *Religious Studies,* Disidencias de Deseo Femenino en Representaciones Literarias y Culturales del México Contemporáneo (1989–2015). Professor Oswaldo Estrada.

Leslie Jane McAbee, *English and Comparative Literature,* "Menagerie to Me / My Neighbor Be": Exotic Animals and American Conscience, 1840–1900. Professor Eliza Richards.

Shannon McCullough, *Chemistry,* An Exploration of P-Type Metal Oxide Semiconductors for Use as a Hole Transport Layer in Solar Energy Conversion Devices. Professors James Cahoon and Andrew Moran.

Henry Clay McKoy, *City and Regional Planning,* Road to Serf-Durham: Examining the Decline of the African American Entrepreneurship Ecosystem in the United States (Past, Present and Future). Professor Meenu Tewari.

Erline Esther Miller, *Epidemiology,* Sociocultural Determinants of Sleep, Cognitive Decline and Dementia Among an Intergenerational Latino Cohort in the Sacramento, California Region. Professor Allison Aiello.

Vanessa Eve Miller, *Epidemiology,* Pain-Related Disability Among People With Chronic Orofacial Pain. Professors Gary Slade and Charles Poole.

Mark Moog, *Physics,* Poly (3-Methylthiophen) Brushes: Structure, Morphology and Electronic Transport. Professors Frank Tsui and Sean Washburn.

Wesley Moraes, *Romance Languages and Literatures,* Animalidades Literarias en la Ciudad Latinoamericana del Siglo XXI. Professor Oswaldo Estrada.

Tyler Chase Motley, *Chemistry,* Control of Lateral Electron Transfer Between Compounds Anchored to Semiconductor Interfaces. Professor Gerald Meyer.

Dylan Edward Muckerman, *Mathematics,* Conformal Perturbations and Local Smoothing. Professor Hans Christianson.

Stephanie Alyce Murray, *Chemistry,* New Methods for Stereoselective Incorporation of Boron Into Molecules Utilizing 1,1-Organodiboronate Esters. Professor Simon Meek.

Elisabeth Kago Nebie, *Anthropology,* Documenting Farmer-Herder Livelihoods, Challenges and Adaptations in the Center-South Region of Burkina Faso. Professor Colin West.

Jacqueline Nesi, *Psychology,* Adolescent Social Media Use and Psychosocial Adjustment: Toward a New Research Agenda. Professor Mitchell Prinstein.

Emily Noonan, *Anthropology,* Caring for 'Our Kids': International Adoption Medicine and the Families It Helps Create. Professor Michele Rivkin-Fish.

Rachel Anne Norman, *English and Comparative Literature,* Multilingual Arabesques in the Novel in North America. Professor María DeGuzmán.

Denis Okumu, *Pharmacology,* Lyn Regulates Drug Resistance Mechanisms in Chronic Myelogenous Leukemia (CML). Professors Lee Graves and Gary Johnson.

John Conor O'Neill, *Education (School Psychology),* Are Schools Prepared for Suicide Contagion Effects? An Analysis of School Psychologists' Perceived Competency in Suicide Postvention Response. Professor Steve Knotek.

Jessica Marie Page, *Education,* Characterizing Early Development and NREM Sleep in Infants and Toddlers and Risk for Autism Spectrum Disorder. Professors Flavio Frohlich and Harriet Able.

Thomas Adams Page, *Speech and Hearing Sciences,* Outcomes and Considerations for Children Who Are Deaf or Hard of Hearing: Assessment and Intervention for Preschool and Primary Students. Professor Melody Harrison.

Christopher Joseph Payne, *Ecology,* Long-Term Temporal Dynamics of the Duke Forest. Professor Robert Peet.

Alexander Pearson. *Economics,* Essays in Trade and Development. Professor Simon Alder.

Cara Jeannine Person, *Health Behavior,* Resilience and Vulnerability Factors Associated With Experiencing Intimate Partner Violence by Multiple Abusive Partners Among U.S. Women: A Mixed Methods Study. Professor Kathryn (Beth) Moracco.

Bilyana Petrova, *Political Science,* Determinants of Inequality in Latin America and Eastern Europe. Professor John Stephens.

Laura Stanley Pietrosimone, *Human Movement Science,* Load Characteristics and Responses in Male Athletes With Patellar Tendinopathy. Professor Darin Padua.

Zoila Ponce de Leon, *Political Science,* Political Parties and Policy Reform: Expansion of Healthcare in Latin America. Professor Evelyne Huber.

Koushyar Rajavi, *Business Administration,* Essays on Brand Trust. Professors Tarun Kushwaha and Jan-Benedict Steenkamp.

Tara Elizabeth Regan, *Education,* Personal and Family Predictors of Self-Determination in Adolescents With Autism Spectrum Disorder (ASD). Professor Samuel Odom.

Angela Lynn Ritter, *Romance Languages and Literatures,* Exile's Shifting Narrative: Disassociation, Cohabitation and Intrusion in French Literatures' Corporeal Spaces. Professor Dominique Fisher.

Deirdre Rodeberg, *Psychology,* Role of the Nucleus Accumbens and Its Dopaminergic and Glutamatergic Afferents During Delay Discounting. Professor Regina Carelli.

Christina Ann Roselli, *Chemistry,* Strategies for Achieving Selectivity in Homogeneous Catalysis. Professor Michel Gagné.

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Amy Rydeen, *Chemistry,* Unnatural Amino Acid Mutagenesis: Progress Towards Non-Natural Biocatalysis and Investigations of Protein Thermodynamics via 19F NMR. Professor Eric Brustad.

Julia Eleonore Samson, *Biology,* The Fluid Dynamics of Collective Pulsing Behavior in Xeniid Corals. Professor Laura Miller.

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Darius D. Scott, *Geography,* Black Emplacement in Rural North Carolina. Professor Elizabeth Olson.

Grace Shin, *Information and Library Science,* Physical Activity in the Context of Everyday Life and How Wearable Activity Trackers Incorporate Into Everyday Life of Office Workers. Professor Bradley Hemminger.

Kelsey Shoub, *Political Science,* Shifting Frames, Shifting Policy: How Frame Sets Influence Policy Making in Congress. Professor Frank Baumgartner.

Jacob Forrest Harrison Smith, *Political Science,* Chamber Competitiveness, Political Polarization and the Battle for Legislative Majority Control. Professor Jason Roberts.

Jacob Brody Smith, *Chemistry,* Roles of Cation-Macrocycle Interactions in Modulating the Reactivity of Transition Metal Pincer-Crown Ether Complexes. Professor Alexander Miller.

Katherine G. Stember, *Pathology,* Identifying Pathogenic Epitopes and Autoreactive Cells in ANCA Vasculitis. Professors Ronald Falk and Maureen Su.

Orrin John Stone, *Pharmacology,* New Approaches for Control and Visualization of Protein Conformation in Live Cells. Professors Klaus Hahn and Timothy Elston.

Lu Sun, *Dentistry (Oral and Craniofacial Biomedicine),* The Role of MORN2 and TRAF3IP2 Genetic Variants in Modulating Innate Immune Response to Periodontal Pathogens. Professor Steven Offenbacher.

Kenneth Dakota Swanson, *Chemistry,* Improvements to Real-Time Aerosol Analysis Using Ambient Sampling/Ionization Mass Spectrometry. Professors Gary Glish and James Jorgenson.

Wesley Bryan Swords, *Chemistry,* The Influence of Non-Covalent Interactions on Photoinduced Electron Transfer at Interfaces and in Fluid Solution. Professors Gerald Meyer and Jillian Dempsey.

Nikhil Tomar, *Occupational Science,* An Ethnographic Analysis of Stigma Towards Mental Illness and Mental Health Care at Clubhouses in North Carolina. Professor Antoine Bailliard.

Martha Scott Tomlinson, *Environmental Sciences and Engineering,* Placental Microbes as an Indicator of Neurocognitive Outcomes in Children Born Preterm. Professor Rebecca Fry.

Andrew Tyner, *Political Science,* Complexity, Uncertainty and the Status Quo. Professor Timothy Ryan.

Pavithra Vasudevan, *Geography,* Searching in Aluminum's Shadows: Black Geographies and Industrial Toxicity. Professor Sara Smith.

Priscilla Vaz, *Geography,* City of God(desses): From a Place of Necessity to a Space of Politics. Professor John Pickles.

Alice H. Verstrat, *Education (School Psychology),* Student, School and Community Predictors of Work-Based Learning Experience for High School Students With Autism Spectrum Disorder. Professor Rune Simeonsson.

Catherine Ann Viano, *Romance Languages and Literatures,* Theater as Machine, Theater of Machines in 17th-Century France. Professor Ellen Welch.

Ann Von Holle, *Epidemiology* Infant Growth Trajectories and Lipid Levels in Adolescence. Professor Kari North.

Xiaomeng Wan, *Pharmaceutical Sciences,* Poly (2-Oxazoline) Micellar Formulation for Cancer Therapy. Professor Alexander Kabanov.

Joshua Thomas Wassink, *Sociology,* Work, Inequality and Gender: Migration and Mobility in 21st-Century Mexico. Professor Jacqueline Hagan.

Kym Weed, *English and Comparative Literature,* Our Microbes: Imagining Human Interdependence With Bacteria in American Literature, Science and Culture, 1880–1920. Professors Jane Thrailkill and Priscilla Wald.

Caralynn M. Wilczewski, *Genetics and Molecular Biology,* CHD4 and the NuRD Complex Orchestrate a Transcriptional Network to Control Cardiac Sarcomere Formation. Professor Frank Conlon.

Ian Williamson, *Biomedical Engineering,* Developing High-Throughput Organoid-Based Platforms to Study Enteric Physiology in Vitro. Professors Scott Magness and Shawn Gomez.

Douglas Roy Wilson, *Biostatistics,* Statistical Methods for the Estimation of Cell-Type Composition and Cell-Type Specific Association Studies. Professors Wei Sun and Joseph Ibrahim.

Leroy Lamar Wilson, *English and Comparative Literature,* Quare Poetics: Black Maternity and the Arc of Protest in the African American Elegiac Tradition. Professors GerShun Avilez and Neel Ahuja.

Aisling Winston, *Economics,* Income Distribution in Intellectual Property Rights Protection. Professor Gary Biglaiser.

Elizabeth Geneva Wood, *Health Policy and Management,* Insurance Instability and People With Disabilities. Professor Morris Weinberger.

Diane Woodin, *Art (Art History),* Visions of Urania: Women, Art and Astronomy in 18th-Century Europe. Professors Mary Sheriff and Carol Magee.

Adam Woomer, *Chemistry,* From Van der Waals to Coulombic Heterostructures: Understanding Charge Transfer in 2D Materials. Professors Scott Warren and James Cahoon.

Kathryn Wouk, *Maternal and Child Health,* The Role of Positive Emotions in Perinatal Mental Health and Breastfeeding. Professor Alison Stuebe.

Lyndsay Wylie, *Genetics and Molecular Biology,* SMAD6 Function in Developing Murine Blood Vessels and Endothelial Cell Junctions. Professor Victoria Bautch.

Qi Wang Xing, *Education,* Building a Data Infrastructure to Study Local Availability in Childcare for Children of Immigrant and U.S.-Born Parents: A Conditional Logit Model Analysis. Professor Lora Cohen-Vogel.

Mishio Yamanaka, *History,* "Separation is not Equality": The Racial Desegregation Movement of Creoles of Color in New Orleans, 1862–1900. Professor W. Fitzhugh Brundage.

Caroline Yang, *Mathematics,* Analysis of Monotone and Non-Monotone Traveling Waves in a System for Social Outbursts. Professor Nancy Rodríguez.

Kecheng Yang, *Computer Science,* Real-Time Scheduling on Asymmetric Multiprocessor Platforms. Professor James Anderson.

Pearl J. Young, *History,* Secession as a Moral Imperative: White Southerners and Evangelical Theology. Professor William Barney.

Paula Kathleen Zatko, *Education (School Psychology),* Survey of Suicide Prevention for Resident Advisors at a State University: The Impact of Training on Knowledge, Attitudes, Perceived Competency, Perceived Role Responsibility and Intervention Behavior. Professors Steven Knotek and Kylee Miller.

Dongyu Zhang, *Epidemiology,* Tea Consumption, Oxidative Stress and Breast Cancer Risk. Professor Hazel Nichols.

Ye Zhu, *Health Policy and Management,* Outcomes Following Hospital Discharge: The Roles of Post-Acute Care Pathway and Patient Socioeconomic Status. Professor Sally Stearns.

DOCTOR OF PUBLIC HEALTH

Jeff DeCelles, *Health Policy and Management,* Scaling an Evidence-Based Voluntary Medical Male Circumcision Demand Creation Intervention for Adolescents in Sub-Saharan Africa. Professor Harsha Thirumurthy.

Jill Elizabeth Powelson, *Health Policy and Management,* First Year Results Under a New Medicare Advantage Payer-Health System Value Based Reimbursement Partnership. Professor George Pink.

Jacob Wulff, *Biostatistics,* Methods for Adapting Global Mass Spectrometry-Based Metabolomics to the Clinical Environment. Professor Lloyd Edwards.

Alexandra Catherine Zuber, *Health Policy and Management,* Protecting American Health From Climate Change: What is Needed to Expand Adaptation Planning by U.S. State and Local Health Departments? Professor Rebecca Slifkin.

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August 2018

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Educational Innovation, Technology and Entrepreneurship
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Gregory Peter Howell
Martha Kalisz
Alan Ellis Levinson
Jennell S. McIntosh
Elinor Perkins Rubin
Bart Nathaniel Satterfield IV
Ali Serrani
Natalie Marie Stein
Sage Stout
Kristin Tara Wright
Madelon A. Wygand

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Jennifer D. Ward

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Thomas Maxwell Fairclough

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Martina Gaggl

Health Policy and Management
Robert P. Kurzydlowski
Avni Kirit Varia

Maternal and Child Health
Saja Alaa Abdulridha Al-Falahi
Amber Layli Christis
Prutha Rohit Pathak

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Mackenzie Rae Johnson Reeser
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Monique Barros De Araujo
Katherine Stuart Dickson
Eugenie Du
Belinda Pung Ear
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Audrey Lan Khoury
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Joseph Mosnier
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Yun-Chen Chiang

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Environmental Sciences and Engineering
Alexandra Noelle George
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Maternal and Child Health
Manami Anna Hongo
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August 2018

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Katelyn Gray Lee
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Kyle Phillips Hall
Webb Yarborough Hinton
Sohil Rohit Shah

Art History
Helena Shaw*
Elizabeth McNeill Stack

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Alice Sara Goldstein
Isabella Marie Hernandez
Anthony Li

Biology
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James Edward Critcher III
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Snehal Parikh
Kassandra Maria Perez
Savanna Powell
Mackenzie Price
Sofia Rebeca Pulido
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Eliza Jane Schnappinger
Carlos Alexis Urquilla
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Liban Abdikarim
Samuel Andrew Agnew V
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Hannah M. Bultman*
Carina Roxana Ochoa-Muñoz
Philip Michael Todd

Classics
Ann Grace Evans

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Zachary I. Berman
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Chase Pierre Carroll
Eric Chaconas*
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Madeline Cupak*
Audrey Chase Curelop
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Makayla Caton Hamrick*
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Alexandra Hawk Kerber
Ryan Michael Lynch
Jacob Julian Martinez
Moses Musilu Jr.
Justin O'Brien
Alison Celeste Oehling
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Colin Joseph Pelosi
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Maura Katie Deering
Ryan August Michaels*

Dramatic Art
Carlos Manuel Alcala
Makayla Caton Hamrick*
Andrew Schuster*

Economics
Mohamed Bashir Ali
Ayotunde Daniel Bakare
Nicholas Panovich Ball
Grant Nicholas Braam*
Draper Khalid Brown
Andrew R. Ambrose Carper
Rio Dalton Chamberlain**
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Thomas Daniel Grissom
Philip Fullerton Howerton
Brian Thomas Jobe
Nathanael Pennington Jones
Avery Joseph
Igol Brian Kabisa
Anthony Li
Max Menaker

Gueorgui A. Molev
Thomas Cole Morgenstern
Amar Mehul Patel
Jaisen Amrish Patel
Evan J. Pournaras
Aditya Shetty
Daniel Thomas Townley
Gokul Vaithiyanathan
Thomas Clay Vickers*
Daniel Zhuxi Wang
Edward Cooke Wilson
William Lionel Woodard
Ni Zhan**

English
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Madeline Cupak*
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Chris A. Forbes
Nathan Michael Funderburg
Gideon James Kapange
Sarah Roess Makgill*
Joshua Graham Mathews
Allen Chase O'Briant
Megan Perry Saunders
Madison Rihga Schaper**
William Ryan Tate
Gabrielle E. Thornton

Environmental Studies
Tyler Niles
Geoffrey Oelsner
Aditya Shetty

Exercise and Sport Science
Robert Alden Armstrong
Andrew Christian Ashford
Denice A. Bautista
Jackson Finley Bellenkes
Lauren Elizabeth Brewer
Ashton Jarard Brown
Cameron Bullock
Niles William Clarke
Barrie Cannon Clough
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Kylah Moshae George
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Jonathan Gary Hartman
Amanda Elizabeth Hoeler
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Logan Blair McCullen
Garrett McDonald
Tristin William Moeller
Sara Elizabeth Moreno
Joseph Hilliard Morgan II
Taylor Marie Pierce
Sofia Rebeca Pulido
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Bria Taleigha Thomas
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Callum Taylor Reid

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Maadhurya Duvvuri
Hannah Goetz
Rosemary Valentine Gould
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Victoria Hill
Akib Khan
Ginna Estefany Manzanares
Steven Burns Potter

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Deion Brown
Jonathan Christopher Burke
Rose Colquhoun Loughran*
Jake Randall Parrish
Sydney Claire Plummer**
Sarah Ann Shannon-Mohamed
Logan Michael Shaut
Daniel Thomas Townley
Elizabeth Westbrook*

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Madrid Kaywan Danner-Smith
Nicole Gonzalez
Shaun Terry*+

Linguistics
Madelyn Ray Young

Management and Society
William James Barlow
William Basnight Freeman
Trevor R. Gay
Melvin Gojak
Brian Thomas Jobe

Mathematics
Rayvon Gregory
Maggie Katherine Hobson
Charlotte G. Mills
Youqi Tang
Sarah Judith Wright
Yingqiao Zhou**

Music
Travis William Paul

Philosophy
Webb Yarborough Hinton
Samuel Lee Sockwell
Sarah Kathryn Yaghoubi**
Elijah Yetter-Bowman

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Amar Mehul Patel

Political Science
Robert Ernest Addington
James Joseph Altman IV
Dayelin Anuel
Joseph Lee Arnold III
William Arrington
Denice A. Bautista
Grant Nicholas Braam*
Brian Thomas Davis
Maura Katie Deering
Aaron Eric Epps
Desirae Delgado Fewell
Montana Louise Gramer
Brett S. Heinz**
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Elliot Wilson Hunt
George Allen Ives IV
Justin Lang
William Bradford Marshall
Ryan August Michaels*
Sydney Mitchell*
Grant Davidson Neal
Allen Chase O'Briant
Dawson Byrd Perkins
Sydney Claire Plummer**
Blaine Edward Pugh
Gabrielle Reasor
Sarahi Robles**
Megan Nichole Smith
Emma Louise Tippett
Jordan Angier Townsend
Elizabeth Westbrook*

Public Policy
Nicholas Hollings Bolick
James S. Collette
Madeleine Joanne Duffy
Brett S. Heinz**
Emily Lauren Elizabeth Lowery
Jake Randall Parrish
Sarahi Robles**

Psychology
Elyse Janet Adrian*
Salam Ahmed Salim Alawadi
Catherine Cecilia Atchley
Ryley Alana-Marie Auringer
Jamie Janesse Cherry
Alexandria Danielle Cooke
Samantha Charlotte Daniel
Kendall Nicole Douglas
Rainece J. Eaddy
Christian Michael Garnett
Kyle Phillips Hall
Lisa Maria Hearon
Lucy Claire Keenan*
Jacob Kerns
Emilee Anne Kruchten
Sergio Armani Luckett
Melshae D. Moore
Meredith Adair Padgett
Abigail Maree Perry
Henry Cannon Talmadge
Jackson Lee Walsh
Tanner Keyes Watson
Ni Zhan**

Peace, War and Defense
Osei Marcel Avril
Cierra Alexandria Baldwin
Ziyad S. Habash
Braxton Davis Lee*
Garrett Melvin Locklear
Emily Lauren Elizabeth Lowery
Thomas Carraway Newman
Abbey Sams Rogers*
Zubair Sullieman Rushk
Logan Michael Shaut
Andrew Mahlon Vollmer

Romance Languages
Alondra Lopez Vargas

Sociology
Elisabeth Andrews Debra Dawson
Amanda Gordon-Redmon
Samantha Casey Guzman
Sky David Poshar
Diana Esperanza Scott
Destiny Zhane' Talley

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Speech Communication
Brian James Gallagher

Women's and Gender Studies
Carina Roxana Ochoa-Muñoz

BACHELOR OF FINE ARTS
Anna Claire Mauney*

BACHELOR OF SCIENCE

Biology
Simrat Arora*
Jasmine Barnes
Paul William Brocklebank II*
Margaret McLellan Bryant**
Brandon William Carpenter
Chloe Doris*
Sameera Eleidy
Nathaniel Joseph Elliott
Cameron Chase Faircloth
Ismael Gomez Martinez
William Bryan Kidd
Eleonore Beatrice Lu
Nicholas P. Mlakar
Megan Christine Ochs
Krupa Himansu Parikh
Douglas H. Rouse
Emily Grace Simpson*
Madison Elizabeth Smith
Spencer Wyatt Traynham
Franklin Thomas Wilson
Sarah Kathryn Yaghoubi**
Vladislav Vlad Yefremov

Biomedical and Health Sciences Engineering
Alexander Clay Church
Charles Griffin Clinard
Avery Joseph
Peter Alexander Lastovich
Raya Sharia Martinez
Giancarlo Victor Vasselli
Ian Joseph Voos*
Nicholas Steven Witham*+

Computer Science
Grace Melgar Abellanosa
Godwin Attigah*
Zhengyang Fang**+
Brennan William Proudfoot**
Austin James Schaefers
Yuan Wang*
Steven Liuh Hwan Wu

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Gabrielle Karine Beaudry
Cameron Chase Faircloth
Natalie Isabel Schuster
Rachael Elizabeth Tevis
Sarah Judith Wright
Joseph Young

Geological Sciences
Naomi Ann Becker+
Naomi Mildred Fretz
Jacob P. Garn
Eric W. Royer
Brian H. Yetter

Mathematical Decision Sciences
Joseph Kim
Yingqiao Zhou**

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Tom Niklas Kubitza
Jake Daniel Murphy*

Psychology
Laura Steffany Barcenas
Jasmine Barnes
Sabrina Denardo*
Catherine Elaine Lake
Isabel McCormack*
Bahja Abdullah Mohamud
Andrew Arnold Rudolph
Courtney Renee Schepel
Megan Nicole Stonecipher
Nicholas R. Tosches
Charles Edward Wright

Statistics and Analytics
Natalie Ewan
Tyler Jeffery James Taubenheim
Yuan Wang*

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Alexander Timothy Lee
Mia Rosa Phillips
Evan J. Pournaras
Michael Christopher White

The School of Dentistry
ESTABLISHED 1949
Dean Scott De Rossi

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Maegan V. Cox
Tracey Marie Ellison
Cierra Dawn Lewis
Jenna Le'Mae Pruitt

The School of Education
ESTABLISHED 1855
Dean Fouad Abd-El-Khalid

BACHELOR OF ARTS IN EDUCATION

Human Development and Family Studies
Madelyn Ray Young

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
John Patrick Kleissler
Vincent Jamel Lewis
Steven Liuh Hwan Wu

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM
Olivia Katherine Schaber

BACHELOR OF ARTS IN MEDIA AND JOURNALISM
Caroline Olivia Baxendale
Nicholas Hollings Bolick
Johanna Antonella Cano
Victoria Collins
Udara Jayanga Armedius Fernando
Tiffany Elise Fuller
Salim Adonnis Holloway
Caroline Paisley Jones
Michael Patrick McGowan
Moses Musilu Jr.
Elizabeth Campbell Payne
Kelsey Alexandra Porter
Davis Rhodes
Abbey Sams Rogers*
Henry Cannon Talmadge
Jordan Angier Townsend
Justin Curtis Wynn

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE
Catherine J. Kim

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Biostatistics
Tobin Bader

Environmental Health Sciences
Emily Grafflin Browning*
Talia Adena Shoval

Nutrition
Ahmad Nasir Tejan-Sie

Candidates Commissioned in the Armed Forces
AUGUST 2018

UNITED STATES NAVAL ENSIGN
Carlos Alexis Urquilla

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** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

CERTIFICATES

August 2018

Postbaccalaureate Certificates

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

POSTBACCALAUREATE CERTIFICATE IN DIGITAL COMMUNICATION
Jack Igelman

POSTBACCALAUREATE CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Kimberly Yvonne Brooks
Susan Jean Colucci
Jennifer Lee Gibson
Kristopher Nelson Julian
Katherine Hart Kershaw
William Conrad Kumpf
Jonathan Outlaw
William Christopher Pope
Emma Marie Witman

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

POSTBACCALAUREATE CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Francisco Castelblanco
Mariana Elise Hernandez
Elana Felice Jaffe
Joshua Kennedy
Salma Abdelnaser Rezk

POSTBACCALAUREATE CERTIFICATE IN FIELD EPIDEMIOLOGY
Emily Dawn Lee

POSTBACCALAUREATE CERTIFICATE IN GLOBAL HEALTH
Caitlin Paige Culbreth
Sivi Detwiler
Holly Mallett Richter
Debora Jean Weaver

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown, designed by Alexander Julian, is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Kylie Corcoran Apple
Tiffany Bailey
Emily Blackburn
Brett Botta
Douglas S. Dibbert
Lauren M. DiGrazia
Jeffrey W. Fuchs
Adina Girmay
Austin Gold
Deborah L. Hawkins
Manuel Hernandez Jr.
Amy Locklear Hertel
Shayna Hill
Rudolph Valentino Jones
Michael Keane
Jacob Kornegay
Sean Kurz
Mark Moon
Cecelia Moore
Hoi Ning Ngai
Leslie V. Parise
Joanne Peters
Valerie A. Price
Savannah Putnam
Terry Ellen Rhodes
James I. Spurling
Vincas Steponaitis
Natalie Vizuete
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